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# Annual Meeting Participant Disclosures

## A

**Thomas M Aaberg Jr MD:** Alcon Laboratories, Inc.: C; Bausch+Lomb: C; Castle Laboratories: C

**Vinay K Aakalu MD MPH:** Department of Defense: S; Horizon Pharma: C; IA Collaborative: C; National Eye Institute: S; Veterans Affairs Office of Research and Development: S

**Maria Mendicino Aaron, MD:** None;

**Ashkan M Abbey, MD:** Alimera Sciences, Inc.: C,L; Allergan: C,L; GENENTECH: C,L; Novartis Pharma AG: C,L; Oxurion: C; Regeneron Pharmaceuticals, Inc.: C,L; Spark Therapeutics, Inc.: L

**Richard L Abbott, MD:** MacRegen: C,O; Ocumension: C,O; Ribomic: C

**Ahmed M Abdelrahman, MD:** None;

**Mohamed F Abou Shousha, MD:** Horus Ophthalmics: O; Resolve Ophthalmics: O

**Mohammad Refaat AboulFotouh:** None;

**Michael D Abramoff MD PhD:** Digital Diagnostics. Inc: C,E,O,P

**David H Abramson MD FACS:** None;

**Mark D Abruzzo JD:** None;

**Usiwoma E Abugo, MD:** None;

**Thomas Ach MD:** National Eye Institute: S; Novartis Pharma AG: L; Novartis, Alcon Pharmaceuticals: S; Roche Diagnostics: C

**Nisha Acharya MD:** National Eye Institute: S

**Ron Afshari Adelman MD MPH:** None;

**Armin R. Afshar, MD, MBA:** None;

**Natalie A Afshari MD:** Aescula Tech: C, O; Alpine Biotherapeutics: C, O; Claire Biotherapeutics : C, O; Dompe Pharmaceuticals: C; National Eye Institute, National Institutes of Health: S; Research to Prevent Blindness: S; Trefoil: C, O

**Amar Agarwal MD:** Jaypee-Highlights Medical Publishers: P; SLACK Incorporated: P; STAAR Surgical: C; Thieme Medical Publishers: P

**Anita Agarwal MD:** None;

**Ashvin Agarwal, MD:** Carl Zeiss Inc: C; Elisar: O

**Tushar Agarwal MD:** None;

**Iqbal K Ahmed MD:** Acucela: C; Aequus: C; Aerie Pharmaceuticals: C; Alcon Laboratories, Inc.: C,L,S; Allergan, Inc.: C,L,S; ArcScan: C; Bausch+Lomb: C; Beaver-Visitec International, Inc.: C; Beyeonics: C; Camras Vision: C; Carl Zeiss Meditec: C,L,S; CorNeat Vision: C; Ellex: L; ELT Sight: C; Elutimed: C; Envisia: C; Equinox: C; ForSight Labs: C; Glaukos Corporation: C,O,S; Gore: C; Graybug Vision: C; Iantech: C; Iantrek: C; InjectSense: C; IRIDEX: C; iStar: C; Ivantis: C,S; Johnson & Johnson Vision: C,S; KeLoTec: C; LayerBio: C; Leica: C; MicroOptx: C; New World Medical Inc: C,S; Ocular Instruments: C; Omega Ophthalmics: C; PolyActiva: C; Sanoculis: C; Santen: C; ScienceBased Health: C; Sight Sciences: C; Stroma: C; Transcend Medical: C; TrueVision: C; ViaLase: C; Vizzario: C,S

**Masih U Ahmed, MD:** None;

**Yusuf Ahmed, BMED:** None;

**Ankita Aishwarya, MS:** None;

**Ahmet Akman, MD:** Abdi Ibrahim Pharmaceuticals: L,C; Alcon Laboratories, Inc.: C,L; Bilim Pharmaceuticals: C,L; Carl Zeiss Meditec: L; Novartis, Alcon Pharmaceuticals: L,C

**Esen K Akpek MD:** Allergan, GORE & Associate: S; CorneaGen: C; Department of Defense: S; Dompe: C; epitech: C; FirstString Medical Research: C; National Eye Institute: S; Novalique: C; Novartis Pharma AG: C; Regeneron Healthcare Solutions Inc: C; Up-to-date: P; Upaid member of Board of Directors, Sjogren's Foundation: C

**Zeynep Aktas, MD:** None;

**Saleh Saif Al Messabi, MBBCH:** Alcon: C,L

**Ahmad Al Moujahed, MD:** None;

**Lama A Al-Aswad, MD, MPH:** Aerie Pharmaceuticals, Inc.: C; GlobeChek: O; New World Medical Inc: S; Save Vision Foundation: S; Topcon Medical Systems Inc.: S

**Saba K Al-Hashimi, MD:** None;

**Zaina N Al-Mohtaseb MD:** alcon: C; Bausch + Lomb: C; Carl Zeiss Inc: C; CorneaGen: C; Johnson & Johnson Vision: C; Ocular Therapeutix: C

**Ali Al-Rajhi:** None;

**Nagham Al-Zubidi, MD:** None;

**Chrisfouad R Alabiad MD:** None;

**Sharmina Alauddin, FCPS:** None;

**Daniel M Albert MD FACS:** None;

**Thomas A Albini MD:** Abbvie: C; Allergan: C; Bausch+Lomb: C; Clearside: C; GENENTECH: C; Mallinckrodt: C; Novartis, Alcon Pharmaceuticals: C; pSividia: C; Santen, Inc.: C

**Anthony J Aldave MD:** Avellino Laboratories: C; ClearView Healthcare Partners: C; Department of Defense: S; Dompe: C; Eye Bank Association of America: S; Eyevance Pharmaceuticals: C; GlaxoSmithKline: C; Gore: C; Guidepoint: C; National Eye Institute: S; Petrichor Healthcare Capital Management: C; Tissue Aegis: C

**Eduardo C Alfonso MD:** Horus Ophthalmics: C; Salvat Laboratories: C

**Asim Ali MD:** Novartis Pharma AG: S; Santen, Inc.: C

**Ferhina S Ali, MD:** GENENTECH: E; Voyant Biotherapeutics: C

**Jorge L Alio MD PhD:** Akkolens: C; Bloss: L; Bluegreen Medical: O; C.S.O. Srl: C; Carevision: C; Carl Zeiss Meditec: S; Dompe: S; Hanita Lenses: C; International Ophthalmology Consulting: O; Jaypee Highlights Medical Publishers, Inc.: P; KeraMed, Inc.: S,C; Magrabi Hospital: C; Mediphacos: C; Novagali: S; Oculentis: S,C; Oftalcare Nutravision: O; Omeros Corporation: C; OPHTEC: L; Presbia: C; SCHWIND Eye-tech-Solutions GmbH: S,L; SLACK: C; Springer: P; Topcon Medical Systems Inc.: C

**Richard C Allen MD PhD:** Horizon Pharma: C

**Michael M Altaweel MD:** Alcon Laboratories, Inc.: S; National Eye Institute: S; Novartis Pharma AG: S; Opsis: C

**Amal M Alwreikat, MD, MBBS:** None;

**Renato Ambrosio Jr MD:** Alcon Laboratories, Inc.: C; Allergan: L; Carl Zeiss Inc: L; Essilor Instruments: L; Mediphacos: L; Oculus, Inc.: C

**Guillermo Amescua MD:** gore: C

**Winfried M K Amoaku MBChB:** Abbvie: C; Alimera Sciences, Inc.: C,L,S; Allergan, Inc.: C,S,L; Bayer: C,S,L; Boehringer Ingelheim: S; Centervue, Inc.: S; Novartis: C,L,S

**Filippo Maria Amore MD:** None;

**Hans W Andrews, MD:** None;

**Bryan CH Ang, MD:** Allergan, Inc.: C,S,L; Glaukos Corporation: S,C,L; Santen, Inc.: L

**Marcus Ang, MBBS, PHD:** None;

**Robert Edward T Ang MD:** Acevision: S; AcuFocus, Inc.: C,L,S; Bausch Lomb Surgical: L,S,C; Glaukos Corporation: S; Ivantis: S; Johnson & Johnson Vision: S; Physiol: L,S; STAAR Surgical: S

**Sheila Therese Angeles-Han MD MS:** Emory University: P; National Eye Institute: S; Pfizer, Inc.: E

**Sriram Annavajhala, DO, MBBS:** None;

**Thomas D Anthony:** None;

**Andrew N Antoszyk MD:** Jaeb Center for Health Research: C

**Rajendra S Apte MD PhD:** AIRA Matrix: C; EdenRoc Life Sciences: O; Genetech: C; Iveric: O; Liberty Biosecurity: O; Merck & Co., Inc.: C; Metro Biotech International: O; Metro International: O,P; Mylan: C; Novartis, Alcon Pharmaceuticals: C; QBio: C,P; Ribomic: C

**Lisa B Arbisser MD:** Mynosys: O

**Steven M Archer MD:** None;

**Ahmad A Aref MD:** Aerie Pharmaceuticals, Inc.: L

**J Fernando Arevalo, MD, PHD, FACS:** Allergan Inc: C,L; Bayer Healthcare Pharmaceuticals: C,L; DORC International, bv/Dutch Ophthalmic, USA: C,L; EyEngineering Inc.: C; Springer SBM LLC: P; Topcon Medical Systems Inc.: L,S

**Juan David Arias, MD:** None;

**Aron M Arkon:** Arthur De Gennaro & Associates, LLC: C

**Karen R Armbrust, MD:** None;

**Kyle A Arnoldi CO:** None;

**Mary E Aronow, MD:** None;

**Steve A Arshinoff MD:** Alcon Laboratories, Inc.: C; ArcticDx, Inc.: C,O; Carl Zeiss Meditec: C; Entod International: C; Rayner Intraocular Lenses Ltd: C

**Subhash Aryal, PHD:** None;

**Sanjay G Asrani MD:** Aerie Pharmaceuticals, Inc.: L; Camras Vision: C; Heidelberg Engineering: L

**Jed H Assam, MD:** None;

**Neal H Atebara MD:** None;

**Isabelle Audo:** Fondation de France: S; Fondation Voir et Entendre: S; Foundation Fighting Blindness: S; IHU FOReSIGHT [ANR-18-IAHU-0001]: S; Inserm: S; Institut Carnot: S; Labex: S; Novartis Pharma AG: C; Retina France: S; SparingVision: C; Unadev-Aviesan: S

**Gerd U Auffarth MD:** Abbott: C,L,S; AcuFocus, Inc.: S; Alcon Laboratories, Inc.: C,L,S; Alimera Sciences, Inc.: S; Anew: S; Biotech Europe Meditec, Inc. Ltd.: S; Carl Zeiss Inc: L,S; Contacmac, England: S; Glaukos Corporation: S; HEIKA, Heidelberg-Karlsruhe University Research Programm: S; Hoya, Japan: L,S; Klaus Tschira Foundation, Germany: S; KOWA, Japan: L,S; Novartis



Pharmaceuticals Corporation: S; Oculentis GmbH, Germany: L,S; Oculus, Inc.: L,S; PHYSIOL, Belgium: S; Rayner Intraocular Lenses Ltd: S; Santen, Inc.: S; SIF Ltd. Italy: S; Ursapharm: L,S

**Tin Aung, FRCS PhD:** Allergan: C,S,L; Belkin Laser: C; Novartis, Alcon Pharmaceuticals: C,L,S; PH-Pharma: C; Santen, Inc.: C,L,S; Sun Pharma: C,L

**James Drake Auran MD:** None;

**Robert L Avery MD:** Adverum: C,O; Alcon Laboratories, Inc.: C,O; Alimera Sciences, Inc.: C; Allergan: C; Amgen: C; Apellis: C; Bausch+Lomb: C; Clearside: C; Eyepoint: C; GENENTECH: C,S; Helio Vision: C; InFocus Capital Partners: C,O; IRIDEX: C; Notal Vision, Inc.: C; Novartis Pharmaceuticals Corporation: C,O; Ocular Therapeutix: C; Pr3vent, Inc: C; Regeneron Pharmaceuticals, Inc.: O,S; RegenXbio: C,S; Replenish: C,O,P; Santen, Inc.: C; Visionary Ventures: C,O

**Brandon Ayres MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,L; Bausch+Lomb: L; Carl Zeiss Meditec: C; CorneaGen: C; Dompe: C,L; New World Medical Inc: C; Novartis, Alcon Pharmaceuticals: C; omeros: C; Tear Lab: C

**M Bernadete Ayres, MD:** None;

**Ramesh S Ayyala MD FRCS:** ElutiMed INC: O,P

**Amees D Azad, BA:** None;

**Rajvardhan V Azad, MBBS:** None;

**Dimitri T Azar MD:** Twenty/Twenty Therapeutics: E,O; Verily Life Sciences: C

## B

**Brandon J Baartman, MD:** Allergan, Inc.: C; Equinox: C; Glaukos Corporation: L; Refocus Group: C; Sight Sciences, Inc.: C,L

**Austin Bach, DO:** AEye Health: C,O; TYB, LLC: P

**Jane A Bailey MD:** None;

**Steven T Bailey MD:** NIH: S

**Carl W Baker MD:** None;

**Nancy Baker:** None;

**Sophie J Bakri MD:** Alimera: C; Allergan: C; Eyepoint: C; GENENTECH: C; Kala Pharmaceuticals: C; Novartis, Alcon Pharmaceuticals: C; Oxurion: C; Roche: C

**Ashraf Armia B Balamoun, MD, FRCS:** None;

**Rosa M Balcells MD:** None;

**Alay S Banker MD:** None;

**Rafael C Barao, MD:** None;

**Keith Hugh Baratz MD:** None;

**Sheila C Barbarino, MD:** Astanza Laser: C

**Andrew J Barkmeier MD:** None;

**Anne Barmettler MD:** horizon: C

**Howard Barnebey MD:** aerie: C,L,S; Bausch + Lomb: L; Heidelberg Engineering: L

**Edward M Barnett MD PhD:** None;

**Gerard P Barry MD:** None;

**George B Bartley MD:** American Board of Ophthalmology: C

**Keith Barton, MBBS:** Advanced Ophthalmic Implants Pte: C,P; Alcon Laboratories, Inc.: C,S; Allergan: C,L,S; Carl Zeiss Meditec: C; EyeD Pharma: C; Glaukos Corporation: C; International Glaucoma Surgery Registry Ltd: O; iStar: C; Ivantis: C; Kowa: C; London Claremont Clinic Ltd: O; MedEther Ophthalmology Ltd: O; PhPharma: C; Santen, Inc.: C; Thea: C,S; Vision Futures (UK) Ltd: O; Vision Medical Events Ltd: O

**Samar K Basak MD FRCS MBBS:** Jaypee Brothers Publishers: P; Novartis, Alcon Pharmaceuticals: C; Santen, Inc.: C

**Soham Basak, MBBS:** None;

**Surendra Basti MBBS:** Bausch + Lomb: C; Johnson & Johnson Vision: C

**Soumyava Basu MS:** None;

**Matthew M Baugh, COT, MHA, OCS, OCSR, OSC:** None;

**Caroline R Bauml MD:** Alcon Laboratories, Inc.: C; Apellis: L; Carl Zeiss Inc: L; GENENTECH: C,L; Novartis Pharma AG: L; Ocular Therapeutix: C

**Prashant Bawankule, MBBS:** None;

**Sally Liu Baxter, MD:** None;

**Atila Bayer MD:** None;

**Casey J Beal, MD:** None;

**Robert M Beardsley MD:** AbbVie: L  
**Cynthia L Beauchamp MD:** None;  
**Allen Dale Beck MD:** Allergan: S  
**Matthias D Becker MD PhD:** None;  
**Rubens Belfort Jr, MD, PHD:** Roche Diagnostics: C  
**Irina Belinsky, MD:** Horizon Therapeutics: C  
**John P Berdahl MD:** Aerie Pharmaceuticals, Inc.: C; Aerpio: C; Alcon Laboratories, Inc.: C; Allergan: C,L; Aurea: C,O; Avedro: C; Bausch+Lomb: C; Calhoun Vision, Inc.: C; Clarvista: C; DigiSight: C,O; Envisia: C; Equinox: C,O; Glaukos Corporation: C,O; Imprimis: C,P; iRenix: C; Johnson and Johnson: C; Ocular Surgical Data: C,O; Ocular Therapeutix: C; Omega Ophthalmic: C,O; Oyster Point: C,O; Rx sight: C; ViaLase: C; Vittamed: C  
**Meghan K Berkenstock, MD:** None;  
**Ashlie A Bernhisel, MD:** None;  
**Paul S Bernstein MD PhD:** BeeLite BIO: C; BridgeBio Pharma: C; Foundation Fighting Blindness: S; Heidelberg Engineering: S; Lowy Medical Research Insititute: S; National Eye Institute: S; NuSkin/Pharmanex: P; Tesseract: C  
**Audina M Berrocal MD:** aerie: C; agtc: C; Alcon Laboratories, Inc.: C; allergan: C; DORC International, bv/Dutch Ophthalmic, USA: C,L; novartis: C; phoenix: C; proQR: C; VISUNEX: C; zeiss: C  
**Maria H Berrocal MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,L; Hemera: O; Oculus Surgical, Inc.: L; Quantel Medical: L  
**Jesse L Berry, MD:** childhood eye cancer trust: S; hyundai hope on wheels: S; immunocore: C; National Cancer Institute: S  
**Benjamin B Bert MD:** None;  
**Cagri G Besirli MD:** CureVac: C; iRenix Medical: C,O,P; Janssen: C; ONL Therapeutics: P  
**Daniel I Bettis, MD:** Allergan, Inc.: C; Glaukos Corporation: C  
**M Tariq Bhatti MD:** receptos: C  
**Venkateshwar Bhoompally, MD:** None;  
**Isabelle Bibet-Kalinyak, BBA, MBA:** None;  
**elizabeth ann biernacki COMT:** None;  
**Susanne Binder MD:** None;  
**Gil Binenbaum MD:** Luminopia: C, O; National Eye Institute: S; Natus Medical Incorporated: L; x Biomedical: O, P  
**Valerie Biousse MD:** GenSight: C; Neurophoenix: C  
**Elena Bitrian, MD:** None;  
**Ava Katherine Bittner, OD, PHD:** American Academy of Optometry: S; Biovisics: C; jCyte Inc.: C; National Eye Institute: S  
**Michael P Blair MD:** None;  
**Christopher L Blanton MD:** Arrowhead Evaluation Services: C; CorneaGen: C; Eyevance: C; Integra: C,L; Johnson & Johnson Vision: C,L; One Legacy: C  
**Mark H Blecher MD:** Johnson & Johnson Vision: C,L  
**Barbara Ann Blodi MD:** None;  
**Bahram Bodaghi, MD, PHD:** AbbVie: C; Alimera Sciences, Inc.: C; Allergan: C; Bayer Healthcare Pharmaceuticals: S; Novartis, Alcon Pharmaceuticals: S; Santen, Inc.: C; THEA: C  
**Brenda L Bohnsack MD PhD:** None;  
**Michael V Boland MD PhD:** Carl Zeiss Meditec: C  
**Kathryn E Bollinger, MD PhD:** National Eye Institute: S  
**Mark D Bona, MD:** None;  
**Durga S Borkar, MD:** None;  
**Nacim Bouheraoua, MD, PHD:** None;  
**David S Boyer MD:** Acucela: C; Adverum Biotechnologies: C; aerie pharmaceuticals: C; Aerpio: C; Alcon Laboratories, Inc.: C; Alkahest: C; Allegro: C,O; Allergan: C; Allgenesys: C; Appellis: C; AsclepiX Therapeutics: C; Bausch+Lomb: C; Bayer Healthcare Pharmaceuticals: C; Biogen Inc.: C; BioMotiv: C; BioTime, Inc.: C; Boehringer-Ingelheim Pharmaceuticals: C; cell cure: C; Chengdu Kanghong Biotech: C; CoDa Therapeutics: C; Daiichi Sankyo Co. LTD: C; DigiSight: O; Everads Therapy, LTD: C; EyePoint Pharmaceuticals: C; Foresight Biotherapeutics: C; Galimedix Therapeutics: C; GENENTECH: C; GenSight Biologics: C; Glaukos Corporation: C; GLAUKOS: C; GrayBug Vision: C; Iconic Therapeutics: C; Interface Biologics, Inc.: C; Ionis: C; Iveric: C; Kala Pharmaceuticals: C; LumiThera, Inc.: C; neurotech: C; NGM Biopharma: C; Notal Vision, Inc.: C; Novartis Pharmaceuticals Corporation: C; Novartis, Alcon Pharmaceuticals: C,S; Ocugen, Inc: C; Ocular Therapeutics: C; Ocular Therapeutix: C,S; Ohr: C; Ophthotech: C; Opthea: C; Optos, Inc.: C; optovue: C; Ora, Inc: C; Orbit Biomedical: C; Oxurion: C; RecensMedical Inc: C; Regeneron Pharmaceuticals, Inc.: C; Regenxbio: C; Regulus Therapeutics: C; River Vision: C; Samumed, LLC: C; Santen, Inc.: C; SciFluor: C; Semathera: C; Shire: C; Stealth BioTherapeutics: C; Sun Pharmaceutical Industries: C; Taiwan Liposomal Company: C; THEA: C; ThromboGenics: C

**Rosa Braga-Mele MD:** Alcon Laboratories, Inc.: C,L; Johnson & Johnson: L

**James D Brandt MD:** Aerie Pharmaceuticals, Inc.: C; Allergan: C,S; Apple Computer, Inc.: O; Carl Zeiss Meditec: C; Glaukos Corporation: O; National Eye Institute: S; Santen, Inc.: S,C; THEA: C; Verily: C

**Robert A Braunstein MD:** None;

**D S Bremond-Gignac MD:** Novartis, Alcon Pharmaceuticals: C; Santen, Inc.: C; THEA: C

**Neil M Bressler MD:** Bayer Healthcare Pharmaceuticals: S; Biogen Inc: S; Novartis Pharmaceuticals Corporation: S; Regeneron Pharmaceuticals, Inc.: S; Roche: S; Samsung Bioepis: S

**Susan B Bressler MD:** Amgen: C; Bayer Healthcare Pharmaceuticals: S; Biocon: S; Biogen Inc: S; Boehringer Ingelheim: S; eye point: S; GENENTECH: S; Merck & Co., Inc.: S; Mylan: S; Notal Vision, Inc.: S; Novartis, Alcon Pharmaceuticals: S

**Antoine P Brezin MD:** Abbvie: C; Alcon Laboratories, Inc.: S,C,L; THEA: C

**Cesar A Briceno MD:** None;

**Mitchell Brigell PhD:** Aerpio Therapeutics: C

**Frank Brodie, MD:** Long Bridge Medical: O,P

**Larry R Brooks:** Practice Flow Solutions: O

**David J Brown:** None;

**David M Brown MD:** Adverum: C; Allegro: C,S; Allergan: C,S; annexon: C; Apellis: C,S; Astellas: S; Avalanche/Adverum: S; Boehringer Ingelheim: C,S; Carl Zeiss Inc: C; Clearside: C,S; GENENTECH: C,S; Heidelberg Engineering: C; Iconic: S; Janssen: C; Johnson & Johnson: C; Kanghong Pharma: C; National Eye Institute: S; Notal Vision, Inc.: C; Novartis, Alcon Pharmaceuticals: C,S; Ohr: C,S; Ophthotech: C,S; Opthea: S; Optos, Inc.: C,P; Optovue, Inc.: C; Pfizer, Inc.: C; PRN Physician Recommended Nutraceuticals: S; Regeneron Pharmaceuticals, Inc.: C,S; Regenix Bio: C,S; Samsung Bioepis: C,S; Samsung: C,S; Santen: C,S; SciFlour Life Sciences: S; Second Sight Medical Products, Inc.: S; Senju Pharmaceutical Co.,Ltd.: C; Stealth Biotherapeutics: C; Taiwan Liposome: S; ThromboGenics, Inc.: C,S; Tyrogenix: C,S; Vinci: C

**Jamin S Brown MD:** None;

**Laurie K Brown, MBA, COMT, COE, OCS, OSC:** BSM Consulting Group: E

**Ninita H Brown, MD, PHD:** None;

**David J Browning MD PhD:** Apellis: S; Diabetic Retinopathy Clinical Research : S; GENENTECH: S; Novartis: S; Regeneron Pharmaceuticals: S; Springer: P; Zeiss: O

**Jacob W Brubaker, MD:** Aerie Pharmaceuticals, Inc.: C,L,S; Alcon Laboratories Inc - Houston: L; Allergan: C,L,S; Equinox: S; Glaukos Corporation: S,L,C; Ivantis, Inc.: S,C; New World Medical Inc: C,L; Nicox: S; Santen, Inc.: S

**Alexander J Brucker MD:** None;

**Paul J Bryar MD:** None;

**Michelle Eileen Buck:** None;

**Edward G Buckley MD:** None;

**Donald L Budenz MD MPH:** iView: C; New World Medical Inc: L; Nicox: C

**Vatinee Y Bunya MD:** Bausch + Lomb: S; Celularity, Inc: C; Verily: C

**Elesha Marie Burford:** None;

**Cat Burkat, MD, FACS:** Horizon Pharma: C

**Massimo Busin MD:** None;

**Michelle R Butler MD:** Allergan: L

## C

**Michelle T Cabrera, MD:** Alcon Laboratories, Inc.: S; Latham Vision Research Innovation Award: S

**Kenneth V Cahill MD FACS:** None;

**Sophie Cai, MD:** None;

**J Peter Campbell, MD, MPH:** Boston AI: P; GENENTECH: S; National Eye Institute: S; Research to Prevent Blindness: S

**Peter A Campochiaro MD:** Aerpio: C,S; Allegro: C,O; Allergan: C,S; Applied Genetic Technologies: C; AsclipiX: C,S; Bausch + Lomb: C; Clearside: C; CureVac: C; Exonate: C; GENENTECH: C,S; Genzyme: S; Graybug: C,O,P,S; Intrexon: C; Merck & Co., Inc.: C; Novartis, Alcon Pharmaceuticals: C; Oxford BioMedica: S; Perfuse: C; Regeneron: S,C; RegenX Bio: S; Roche: C,S; Wave Life Sciences: C

**Brian N Campolattaro MD:** None;

**Cara E Capitena, MD:** None;

**Hilda Capo MD:** None;

**Antonio Capone Jr MD:** Aura Biosciences: S; Broadspot: O; GENENTECH: S; Ionis Pharmaceuticals, Inc.: S; Novartis Pharmaceuticals Corporation: S; Phoenix Technology Group: O; ProQR Therapeutics: C; Regeneron Pharmaceuticals, Inc.: S; Retinal

Solutions: O,P; Spark Therapeutics: C

**Claudio Carbonara MD:** None;

**Andrew R Carey, MD:** Horizon Therapeutics: C; US Nutraceuticals: C

**Dustin C Carter:** American Vision Partners: E; Cloud Consent Solutions LLC: E,O

**Keith D Carter, MD, FACS:** GENENTECH: C

**Kristin Carter MD:** None;

**Pamela C Carter, MD:** None;

**Shawn Carter, OCS:** None;

**Petros Carvounis, MD, FRCSC:** None;

**Nathalie Cassoux MD:** None;

**Kara M Cavuoto MD:** None;

**Altug Cetinkaya MD:** None;

**Harinderpal S Chahal, MD:** None;

**Arup Chakrabarti, MS, MBBS:** None;

**Meena Chakrabarti, MS, MBBS:** None;

**Usha Chakravarthy MBBS PhD:** Apellis: C; Bayer Healthcare Pharmaceuticals: C; Heidelberg Engineering: S; Iveric: C; Novartis Pharma AG: L; Roche Diagnostics: L

**Christopher B Chambers MD:** None;

**Wallace Chamon MD:** Corneal Biomechanics: P; Crosslinking: P; Eye Tec: C,P; Wavefront Systems: P

**Clara C Chan MD:** Allergan, Inc.: C,L,S; Bausch + Lomb: L,S; Johnson & Johnson Vision: C; Latician Ophthalmics, Inc.: C; Santen, Inc.: C; Shire: C,L,S; TearLab Corporation: S; THEA: C,L; zeiss: C

**Clement K Chan MD:** Allergan: C,S; Amgen Inc: S; Chengdu Kanghong Biotechnology: S; GENENTECH: S; National Eye Institute: S; Regeneron Pharmaceuticals, Inc: S; Retinal Patch Technologies, Inc: S

**R V Paul Chan MD:** Alcon Laboratories, Inc.: C; Allergan: C; National Institutes of Health: S; National Science Foundation: S; Phoenix Technology Group: C

**Daniel H Chang, MD:** AcuFocus, Inc.: S; Allergan: C,S; Carl Zeiss Meditec: C,L; Johnson & Johnson Vision: C,L,S; Mynosys Cellular Devices: C,S; Omega Ophthalmics: C,O

**David F Chang MD:** Carl Zeiss Inc: C; Eyenovia: O; ForSight Vision 6: C,O; iDrops: C,O; Ivantis: C,O; JelliSee: C,O; Johnson & Johnson Vision: C; Long Bridge: C,O; Mynosys: C,O; Perfect Vision: C,O; Presbyopia Therapies: O; RX Sight: C,O; SLACK, Incorporated: P; Surface Inc: O; Versant Ventures: O; Viewpoint: C,O; Visionary Ventures II: O

**John So-Min Chang, MD:** Alcon Laboratories, Inc.: L,S; Carl Zeiss Inc: L; Hongkong Global Vision Ltd.: L,S; Johnson & Johnson: L

**Jonathan Chang MD:** None;

**Peter Chang MD:** Aerie: C,L; Allergan: C,L

**Shu-Hong Chang, MD:** Horizon Therapeutics: C

**Stanley Chang MD:** GENENTECH: C; Lowy Medical Foundation: C

**Daniel L Chao, MD:** Apellis, Inc.: S; Bridge Bio: C; Bright Focus Foundation: S; Chengdu Pharmaceuticals: S; Clearside Biomedical Inc.: S; DTXPharma: C,O; GENENTECH: S; National Eye Institute: S; Ophthea, Ltd.: S; Recens Medical: C,O; Visgenx, Inc.: C,O,P; Zilia: C,O

**Benjamin C Chaon, MD:** None;

**Steven T Charles MD:** Alcon Laboratories, Inc.: C,P

**Varun Chaudhary, MD:** Alcon Laboratories, Inc.: C; Bayer Healthcare Pharmaceuticals: C,S; Bayer: L; Novartis Pharma AG: C,S; Novartis: L

**Imtiaz A Chaudhry MD PhD:** None;

**Sunita Chaurasia, MD:** L V Prasad Eye Institute,Hyderabad rabd,India: E

**Bhavna Chawla, MBBS:** None;

**Craig J Chaya MD:** None;

**Soon-Phaik Chee MD:** AbbVie Pte. Ltd: C,S; Alcon Laboratories, Inc.: C,L,S; Allergan: S; Bausch & Lomb Surgical: C,S; Carl Zeiss Inc: C,L,S; Gilead Sciences: C; HOYA Medical Singapore Pte. Ltd: C,L; Johnson & Johnson Vision: C,L,S; Leica Microsystems: C,S; Santen Pharmaceutical Asia Pte. Ltd: S; Ziemer Ophthalmics AG: C,S

**James G Chelnis, MD:** None;

**Andrew Chen, MD:** None;

**Cindy Chen, BA:** None;

**Howard Chen, MD:** None;

**John J Chen, MD, PHD:** None;

**Philip P Chen MD:** Allergan, Inc.: C

**Royce W Chen MD:** Carl Zeiss Meditec: C

**Sherleen Huang Chen MD:** Alcon Laboratories, Inc.: C

**Teresa C Chen MD:** Department of Defense: S; Harvard Foundation Grant (Fidelity Charitable Fund): S

**Xi Chen:** Aerie Pharmaceuticals, Inc.: C

**Gemmy Chui Ming Cheung, MBBCHIR, FRCOphth:** Allergan: L; Bayer Healthcare Pharmaceuticals: C,L,S; Carl Zeiss Meditec: S; Heidelberg Engineering: L; Novartis, Alcon Pharmaceuticals: C,L,S; Roche Diagnostics: C; Topcon Medical Systems Inc.: S

**Patricia Chevez-Barrios MD:** Adopt-a-Scientist-Cure Cancer: S; NASA: S

**Emily Y Chew MD:** None;

**Jay K Chhablani, MBBS:** Allergan, Inc.: L; Novartis Pharma AG: L; OD-OS GmbH: S

**Michael F Chiang, MD:** GENENTECH: S; Intelereitina: O; National Eye Institute: S; National Science Foundation: S; Novartis Pharmaceuticals Corporation: C

**David S Chin Yee, MD:** None;

**James Chodosh MD MPH:** National Eye Institute: S; Santen, Inc.: L; Shire: C; US Food and Drug Administration: C

**Christina H Choe MD:** None;

**Kelvin Kam Lung Chong, MD:** None;

**Neil T Choplin MD:** None;

**Vikas Chopra MD:** Alcon Laboratories, Inc.: C; Allergan: C,S

**Netan Choudhry MD:** Allergan: C,L; Bayer: C,L,S; Ellex: L; Johnson & Johnson: L; Optos: C,L; Topcon: C,L; Zeiss: C,S

**David R Chow MD:** Alcon Laboratories, Inc.: C; Allergan: C; Bayer Healthcare Pharmaceuticals: C,L; DORC International, bv/Dutch Ophthalmic, USA: C; DORC: L; Katalyst: C,P; Novartis, Alcon Pharmaceuticals: C,L; Optovue: L

**Robert M Christiansen MD FACS:** None;

**Steven M Christiansen, MD:** None;

**Y Ralph Chu MD:** Bausch+Lomb: C; Carl Zeiss Meditec: C; Keranova: C; Perfect Lens: C; PowerVision: C; Refocus Group, Inc.: C

**Sophia Mihe Chung MD:** None;

**Young-Taek Chung MD:** None;

**George A Cioffi MD:** None;

**Jessica B Ciralsky MD:** Bruder Healthcare Company: C

**Carl C Claes MD:** Alcon Laboratories, Inc.: C

**Robert A Clark MD:** National Eye Institute: S; Nevakar, LLC: C

**William S Clifford, MD:** Alcon Laboratories, Inc.: S; Jellisee Ophthalmics: O

**Beatrice Cochener MD:** Alcon Laboratories, Inc.: C,S; Horus: C; hoya: C; Johnson & Johnson: C; Santen, Inc.: C; THEA: C; Zeiss: C

**Amalia Cochran, MD:** None;

**Liza M Cohen, MD:** None;

**Kathryn A Colby MD PhD:** GlaxoSmithKline: C; WL Gore and Associates: C

**Anne Louise Coleman MD PhD:** None;

**Janine E Collinge MD:** None;

**Stephanie Collins Mangham, COA, MBA, OCSR:** Regeneron Pharmaceuticals, Inc.: C,L

**Marcus H Colyer MD:** Covalent Medical: E,O; US Department of Defense: S

**Christopher J Compton, MD:** None;

**Ian P Conner MD PhD:** Ivantis: C; Ocugenix: C,O,P

**Thomas B Connor Jr MD:** None;

**Minas T Coroneo, MBBBS, MS:** Alcon Laboratories, Inc.: P; Allgenisis: C,P,S; DORC International, bv/Dutch Ophthalmic, USA: P; Insight Surgical: C,P; Katena Products, Inc: P; Novartis Pharma AG: C

**Zelia M Correa MD:** Castle Biosciences: C; Immunocore, LLC: C

**Maria S Cortina MD:** Eversight Eye bank: C; Gore: C

**Maria Jose Cosentino, MD:** None;

**Jennifer Cosey:** Eagle Associates, Inc.: O

**Fiona E Costello MD:** Alexion Pharmaceuticals: C; Frequency Therapeutics: C; Roche Diagnostics: C



**Steven M Couch MD:** None;

**Cristobal A Couto MD:** None;

**Alan S Crandall MD:** Alcon Laboratories, Inc.: C,L; AqueSys: C; ASICO: C; Excel-Lens (CAPSULaser and CAPSULBlue): C; Glaucoma Research Foundation: C; Glaukos Corporation: C; iSportgames, Inc.: C; IVANTIS, Inc: C; iVeena Delivery Systems: C; Johnson & Johnson: C; Mastel Surgical: C; MST: C; New World Medical Inc: C; Omeros: C; OSN: C

**David A Crandall MD:** None;

**E Randy Craven MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Ivantis: C; Santen, Inc.: C; W Gore: C

**Karl G Csaky MD:** AGTC: C; Allergan: C; Genentech / Roche: C; Gyroscope: C; Heidelberg Engineering: C; Iveric Bio: C; Johnson & Johnson: C; Merck & Co., Inc.: C; Novartis Pharma AG: C; Ocular Therapeutix: C; Ribomic: C; Ribomics: C

**Qi N Cui, MD:** Penn Center for Innovation: P

**Susan M Culican MD PhD:** None;

**Arthur B Cummings MD:** Alcon Laboratories, Inc.: C,L,O; KeraNova: C; Scope Ophthalmics: C; TearClear: C; TearLab Corporation: C; Vivior: C; WaveLight AG: C

**Emmett T Cunningham Jr MD PhD MPH:** None;

**Andre Luiz Curi, MD, PHD:** Abbvie: L

**Craig N Czyz DO:** None;

## D

**Donald J. D'Amico MD:** Alcon Laboratories, Inc.: C; Iveric bio, Inc.: C,O

**Lora R Dagi Glass, MD:** Thieme Medical Publishers: P

**Jeffery Daigrepoint:** None;

**Lauren A Dalvin, MD:** None;

**Mary K Daly MD:** None;

**Anthony B Daniels, MD:** Acrotech: S; National Eye Institute: S; Research to Prevent Blindness Foundation: S; Vanderbilt University: P

**Stefanie L Davidson MD:** None;

**Dixon Davis:** BSM Consulting: C

**Janet Louise Davis MD:** 4D Molecular Therapeutics: C; EyePharma: S; Kodiak Sciences: C; National Eye Institute: S; Nightstar Therapeutics: S

**Lovell Davis, CPC, MHSA:** None;

**Sheraz M Daya MD:** Allergan, Inc.: L; Bausch + Lomb: C,L,S; Carl Zeiss Meditec: C; Cristalens Industrie: C; CSI Dry eye: C; Ellex: L; Excellens: C,O; Johnson & Johnson Vision: S; Lumenis Vision: C; Nidek: C; Omeros Corporation: C; Physiol: C,L; PRN Physician Recommended Nutriceuticals: C,O; Scope Pharmaceuticals Ltd: C; STAAR Surgical: C; Strathspey Crown: O; Tearclear: C; TearLab Corporation: C

**Lindsay De Andrade, MD:** None;

**Denise de Freitas MD:** None;

**Arthur L De Gennaro:** Arthur De Gennaro & Associates, LLC: O

**Gustavo De Moraes, MD:** Carl Zeiss Meditec: C; Galimedix: C; Heidelberg Engineering: S; LinBiosciences: C; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: C; Perfuse Therapeutics: C; Reichert, Inc.: C; Research to Prevent Blindness: S; Topcon Medical Systems Inc.: S

**Don Julian De Silva MBBS:** None;

**Dan DeAngelis, MD:** None;

**Vaidehi Shradha Dedania, MD:** Alimera Sciences, Inc.: C; Allergan, Inc.: C; Regeneron Pharmaceuticals, Inc.: C

**Monte A Del Monte MD:** Knights Templar Eye Foundation: C; Leadiant Biosciences, Inc: C

**Dimitri D Dementiev MD:** Carl Zeiss Inc: C,L; Medennium, Inc.: C,L

**Hakan Demirci MD:** Castle Biosciences: C; Immunocore: C

**Sibel Demirel, MD:** Bausch+Lomb: L; Bayer Healthcare Pharmaceuticals: L; Novartis, Alcon Pharmaceuticals: L

**Sophie X Deng MD PhD:** California Institute for Regenerative Medicine: S; Dompe Inc: C; F-Prime: C; Kowa Research Institute, Inc: C; National Eye Institute: S; W. L. Gore & associates: C

**Ekaterina V Denisova, MD:** None;

**John J DeStafeno MD:** None;

**Steven H Dewey MD:** Johnson & Johnson Vision: C; Microsurgical Technology: P

**Deepinder K Dhaliwal MD:** Avedro, Inc.: S; CorneaGen: L; Johnson & Johnson: C; Noveome: S; Ocular Therapeutix: L; STAAR Surgical: L; Trefoil: C

**Hardeep S Dhindsa MD:** None;

**Burkhard Dick MD:** Avedro, Inc.: C; Bausch + Lomb: L; Johnson & Johnson Vision: C; Johnson & Johnson: L; Oculus Surgical, Inc.: P; RxSight Inc.: C

**Kathleen B Digre MD:** ELSEVIER: P; part owner on a patent pending thin-film technology; no company involved: P; Springer: P

**Stefania Barbosa Diniz, MD:** None;

**Ali R Djalilian MD:** Combango: C; Dompe: C; Novartis, Alcon Pharmaceuticals: C

**Anna T Do, MD:** None;

**Diana V Do MD:** Aerie Pharmaceuticals, Inc.: C; Bayer Healthcare Pharmaceuticals: C; BioTime Inc.: C; GENENTECH: C; Kodiak Sciences: C; novartis: C; Regeneron Pharmaceuticals, Inc.: C,S; Santen, Inc.: C

**Thuy A Doan, MD, PHD:** None;

**John F Doan, MD:** Carl Zeiss Meditec: C; Iveen: O; Presbyopia Therapies: O; RxSight: C

**Emilio M Dodds MD:** None;

**Thomas Dohlman MD:** None;

**Bernard J Dolan OD:** None;

**Peter J Dolman MD:** Immunovant: C

**Sean P Donahue MD PhD:** Diopsys: O; Gensight: C; Gobiquity: C; Nevakar: C; Olleyes: C; Retrophin: S

**Kendall E Donaldson MD:** Alcon Laboratories, Inc.: C,L; Allergan: C; Carl Zeiss Meditec: C; EyeVance: C; Johnson and Johnson: C; Kala: C; LENSAR: C; Lumenis Vision: C; Novartis Pharma AG: C; Omeros: C; Shire: C; SUN: C; Tissue Tech: C

**Eric D Donnenfeld MD:** Alcon Laboratories, Inc.: C; Allergan: C,L; Avellino Labs: C; Bausch+Lomb: C; Beaver-Visitec International, Inc.: C; BlephEX, LLC: C,O; CorneaGen: C,O; Eyepoint Pharma: C; Glaukos Corporation: C; Ivantis: C; Johnson & Johnson: C; Katena Products, Inc.: C,O; LacriScience, LLC: C,O; Mynosis: C,O; Novartis Pharma AG: C; Ocular Therapeutix: C; Omeros Corporation: C; PRN Physician Recommended Nutraceuticals: C,O; TLC Laser Center: C; Zeiss: C

**Syriil Dorairaj, MD:** None;

**Pavle Doroslovacki, MD:** None;

**Assaf Dotan, MD:** None;

**Raymond S Douglas MD PhD:** Horizon Therapeutics: C; Immunovant Corp.: C

**Arlene V Drack MD:** Chakraborty Family Foundation: S; NIH: S; Novartis Pharma AG: P; ProQR: S,C; Research to Prevent Blindness: S; retrophin: L,S; Spark Therapeutics: S; Vision of Children: S

**Michael V Drake, MD:** None;

**Suneeta Dubey:** None;

**Sander Dubovy MD:** None;

**Jay S Duker MD:** Aldeyra: C; Allergan: C; Aura Bio: C; Bausch + Lomb: C; Carl Zeiss Meditec: S; EyePoint Pharma: E; Hemera Biosciences: O; Hoffman La Roche, Ltd.: C; Novartis, Alcon Pharmaceuticals: C; OptoVue: S; Sesen Bio: C

**Heather Hambrick Dunn, COA, OCS:** None;

**James Philip Dunn Jr MD:** None;

**Steven P Dunn MD:** None;

**William J Dupps, MD PhD:** Alcon Laboratories, Inc.: C; Cleveland Clinic Innovations: P; Glaukos Corporation: C; National Eye Institute: S

**Georges M Durr, MD:** Alcon Laboratories, Inc.: C,L; Allergan, Inc.: C,L; Bausch + Lomb: C; Glaukos Corporation: C,L; Latician Ophthalmics, Inc.: L; MicroSurgical Technology: L; Novartis Pharma AG: L; Santen, Inc.: C,L; Sight Sciences, Inc.: L

**Daniel S Durrie MD:** AcuFocus, Inc.: C,O; Alcon Laboratories, Inc.: C; Alphaeon: O; Concierge Key Health: C,O; Eyegate Pharma: C; Gebauer Medical: C; Glaukos Corporation: C,L,O; Hoopes Durrie Rivera Research Center: C; iOR Holdings: O; iOR Partners: O,E; Johnson & Johnson Vision: C,L; SCHWIND Eye-tech-Solutions GmbH: C; Strathspey Crown LLC: O

**Jonathan J Dutton MD PhD:** None;

## E

**Ralph Eagle, MD:** Merck & Co., Inc.: O

**Jennifer S Edgar, CPC, CPCO, OCS, OCSR:** None;

**Lilangi S Ediriwickrema, MD:** None;

**Jane C Edmond MD:** None;

**Beth Edmunds, MD, PHD:** None;

**Deepak Paul Edward MD:** None;

**Kian Eftekhari, MD:** GLG: C

**Allen Eghrari MD:** LuckyVision, LLC: O; Treyetech: O

**Justis P Ehlers MD:** Aerpio: C,S; Alcon Laboratories, Inc.: C,S; Allegro: C; Allergan: C; Bioptigen: C,P; Carl Zeiss Meditec: C; GENENTECH: C,S; Leica: C,P; National Eye Institute: S; Novartis Pharma AG: C,S; Regeneron Pharmaceuticals, Inc.: C,S; Santen, Inc.: C; Thrombogenics: C,S

**Neil Harkin Ekblom, JD:** None;

**Noha S Ekdawi MD:** None;

**Yasmine M El Sayed Ibrahim MD:** None;

**Hosam El Sheha, MD, PhD:** None;

**Alaa M Eldanasoury, MD:** C.S.O. Srl: C; Nidek, Inc.: C; PhysiOL: C; STAAR Surgical: C

**Hala Elhilali:** None;

**Dean Elliott MD:** Alcon: C; Aldeyra Therapeutics: C,O,P; Allergan: C; DORC: C; GENENTECH: C; Glaukos Corporation: C; Neurotech: S; Pykus Therapeutics: C,O

**Anna L Ells MD:** None;

**Parisa Emami Naeini, MD:** None;

**Sinan Emre, MD:** None;

**Laura B Enyedi MD:** nevakar: C

**Robert W Enzenauer MD MPH:** None;

**K David Epley, MD:** Nevakar: C

**Barbara Erny MD:** None;

**Monica Kenney Ertel, MD, PHD:** None;

**Bitá Esmaeli MD FACS:** GENENTECH: C

**Nicole Eter MD:** Allergan: C,L; Bayer Healthcare Pharmaceuticals: C,L,S; Novartis Pharmaceuticals Corporation: C,L,S; Roche: C

## F

**Lisa J Faia MD:** Abbvie: L; Allergan, Inc.: C,L; GENENTECH: C; Mallinckrodt Pharmaceuticals: C; Santen, Inc.: C

**Aaron Fairbanks, MD:** None;

**Robert G Fante, MD FACS:** Horizon Therapeutics: L; OMIC-Ophthalmic Mutual Insurance Company: C; Strathspey Crown: O

**Michel Eid Farah MD:** None;

**Fernando Faria Correia, MD:** Alcon Laboratories, Inc.: C

**Marjan Farid MD:** Allergan: C; Bio-Tissue, Inc.: C; CorneaGen: C; Dompe: C; Eyepoint: C; Eyevance: C; Johnson & Johnson Vision: C; KALA: C; Novartis, Alcon Pharmaceuticals: C

**Amani Fawzi MD:** Bayer Healthcare Pharmaceuticals: L; Boehringer Ingelheim: C; National Institute of Health: S; Regeneron Pharmaceuticals, Inc.: C; Roche, Inc: C

**Jean-Luc Febbraro MD:** None;

**Robert S Feder MD:** None;

**Sharon Fekrat MD:** Alcon Laboratories, Inc.: P

**Ronald Leigh Fellman MD OCS:** Aerie Pharmaceuticals, Inc.: L; Alcon Laboratories, Inc.: C; Bausch + Lomb: L; Endo Optiks, Inc.: C; InnFocus: S

**Matthew Timothy Feng, MD:** Dompe: L; Haag-Streit Group: L

**Angela Maria Fernandez, MD:** None;

**Jorge Fernandez Engroba, MD:** None;

**Sandra Fernando Sieminski MD:** IRIDEX: S

**Marta Figueroa MD:** Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan, Inc.: C; Bayer Healthcare Pharmaceuticals: C; Beyeonics Surgical, Ltd.: C; Novartis Pharma AG: C; Orbit Biomedical Inc: C; Roche: C; Zeiss: C

**John Fingert MD PhD:** National Eye Institute: S; Perfuse Therapeutics Inc: C,S

**Brenton D Finklea, MD:** None;

**Avni Patel Finn, MD:** Allergan, Inc.: C; GENENTECH: C

**Kevin Thomas Flaherty MD:** None;

**Donald Calvin Fletcher MD:** None;

**Harry W Flynn Jr., MD:** None;

**Jim Flynn:** ONEFIRE: C,E

**Rajesh Fogla, MD, FRCS:** None;

**Donald S Fong MD:** Allergan, Inc.: S; GENENTECH: S; Regeneron Pharmaceuticals, Inc.: S; Santen, Inc.: S

**Luigi Fontana MD PhD:** None;

**Bruno M Fontes MD:** Alcon Laboratories, Inc.: L; OFTA Vision Health: L

**Bryce A Ford MD:** None;

**Matteo Forlini MD:** None;

**Jorge A Fortun MD:** Allergan: C; Carl Zeiss Inc: C; DORC International, bv/Dutch Ophthalmic, USA: C; GENENTECH: C; Notal Vision, Inc.: C

**Jill Annette Foster MD FACS:** None;

**Tamara R Fountain MD:** None;

**Amy M Fowler MD:** Ellman, A Cynosure Company: C

**Nicole R Fram MD:** Alcon Laboratories, Inc.: C,L; Allergan: C; Bausch + Lomb: L; CorneaGen: C,O; Dompé: C,L; Johnson & Johnson Vision: C,L; Novartis Pharma AG: L; Ocular Science: C,O; Sun Pharmaceutical: L

**Brian A Francis MD:** Aerie Pharmaceuticals, Inc.: C; Allergan, Inc.: C,S; Bausch + Lomb: C; Diopsys: C,S; Endo Optiks, Inc.: C; Glaukos Corporation: C; MicroSurgical Technology: C; NeoMedix Corporation: C

**Courtney E Francis, MD:** None;

**Jasmine H Francis MD:** None;

**Benjamin J Frankfort MD PhD:** Clayton Foundation for Research: S; National Eye Institute: S; Research to Prevent Blindness: S

**Suzanne K Freitag MD:** horizon pharma: C; Springer: P; thieme: P

**K Bailey Freund MD:** Allergan: C; Bayer Healthcare Pharmaceuticals: C; Genentech/Roche: S; Heidelberg Engineering: C; Novartis, Alcon Pharmaceuticals: C; Optovue: C; Zeiss: C

**David S Friedman MD MPH PhD:** Bausch + Lomb: C; Clearview: C; Gore: C; Jobson Publishing: C; Life Biosciences: C; THEA: C

**Beth Fritz:** None;

**Rachel T Fuerst, MD:** None;

**Simon Fung, MD, MA, FRCOphth:** None;

## G

**Eric Gaier, MD:** Luminopia: C,O,P

**Marlo Galli:** None;

**Anat Galor MD:** Allergan: C; Dompe: C; Novaliq: C; Shire: C

**Jennifer A Galvin MD:** None;

**Tamer O Gamaly, FRCS, MD:** None;

**Rashmin A Gandhi, MBBS:** None;

**Sapna Gangaputra, MD, MPH:** None;

**Jill S Garabedian, JD:** None;

**Julian Garcia-Feijoo, MD:** AJL Ophthalmic, S.A.: C; Alcon Laboratories, Inc.: C; Glaukos Corporation: C; iSTAR Medical: S,C; Santen, Inc.: C; THEA: C

**Matthew F Gardiner MD:** None;

**Prashant Garg MD:** Department of Biotechnology, Government of India: S; Indian Council of Medical Research: S; Medical Research Council, UK: S; Santen, Inc.: C

**Sumit Garg MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Dompe: C; EyePoint: C; Glaukos Corporation: C; Johnson & Johnson Vision: C; Kala: C; LensGen: C,O; New World Medical Inc: C; Novartis, Alcon Pharmaceuticals: C; OcuTrx: O; SightLife Surgical: C; SightSciences: C; Tarsus: C; Verana Health: C; Vision Care Inc.: C; Zeiss: C

**Sunir J Garg MD FACS:** Aerpio: S; Allergan, Inc.: S; apellis: S; Bausch+Lomb: C; Deciphera: C; EyeGate Pharmaceuticals Inc.: S; Johnson & Johnson: C; Nexttech: O; Topivert: C

**Charles Garrard:** None;

**Ronald N Gaster MD FACS:** None;

**Damien Gatinel MD:** Nidek, Inc.: C,L; Physiol: P; WaveLight AG: C

**Alain Gaudric MD:** Novartis: C; Topcon Medical Systems Inc.: L

**Ghada Ismail Gawdat, MD:** None;

**Gus Gazzard, FRCOphth, MA, MBBCHIR, MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,L; Bausch + Lomb: L; Belkin Laser: C; Ellex: L; GENENTECH: C; Glaukos Corporation: C,L; Haag-Streit Group: L; Ivantis: C,L; Lumenis, Inc.: L; McKinsey: C; Merck & Co., Inc.: C,L; Santen, Inc.: C; Sight Sciences, Inc.: C; Thea: C,L

**Ashley R Geary, JD:** None;

**Steven J Gedde MD:** None;

**Lawrence Geller, MBA, MS:** Medical Management Associates, Inc.: E

**Ronald C Gentile MD:** Acucela: S; Alcon Laboratories, Inc.: C; DRCR.net: S; GENENTECH: S; GlaxoSmithKline: S; Juvenile Diabetes Research Foundation: S; National Eye Institute: S; New York Eye and Ear Infirmary of Mount Sinai: S; Notal Vision, Inc.: S; Quark Pharmaceuticals: S; Regeneron Pharmaceuticals, Inc.: S; University of WI: S

**Maryam Ghiassi-Nejad, MD:** None;

**JoAnn A Giaconi MD:** Allergan, Inc.: L,C

**Annette L Giangiacomo MD:** None;

**Tom Giannulli, MD, MS:** None;

**Sidney K Gicheru MD:** None;

**Aubrey L Gilbert, MD, PHD:** None;

**Mark C Gillies, MD PhD:** Allergan: C,L,S; Bayer Healthcare Pharmaceuticals: C,L,S; Novartis Pharmaceuticals Corporation: C,L,S; Roche Diagnostics: C

**Michael C Giovingo MD:** IRIDEX: C; Santen, Inc.: S

**Tania Girgla, BS:** None;

**David B Glasser, MD:** None;

**Adam Glassman MS:** Carl Zeiss Inc: S; Optos, Inc.: S; Optovue, Inc.: S; PhotoOptix: S; Regeneron Pharmaceuticals, Inc.: S

**Ioannis P Glavas MD:** None;

**Ravi D Goel MD:** None;

**Robert S Gold MD:** None;

**Jeffrey L Goldberg, MD PhD:** Aerie: C; Allergan: C; Annexon: C; Astellas: S; Emerald Biosciences: C; Emmetrop Ophthalmics: O; Equinox: C; Galimedix: C; GENENTECH: C; IrisVision: C; Nicox: C; NIH, DOD, MTEC, BrightFocus, GVRI: S; Novartis Pharmaceuticals Corporation: C; PH Pharma: S; Quark Pharmaceuticals: C; Regeneron Pharmaceuticals, Inc.: C; RenetX: C; Santen, Inc.: C; TwoXAR: C; Zeiss: C

**Robert A Goldberg MD:** None;

**Dafna Goldenberg, MD:** Notal Vision, Inc.: C

**Debra A Goldstein MD:** AbbVie: C; Allergan: C; Bausch+Lomb: C

**Karl C Golnik MD:** None;

**Dan S Gombos MD:** Children's Oncolog: S; Houseman/Wilkins Ophthalmological Foundation: S; Lois Kuss Fund for Glaucoma: S

**Jose Gomes MD:** Alcon Laboratories, Inc.: L,S; Allergan: C,L,S; Bausch + Lomb: C,L; CAPES: S; Cnpq: S; EMS: C; Fapesp: S; Genon: L; Mundipharma: C,L; Ofta: C,L,S

**Fumi Gomi, MD PhD:** Abbott: S; Alcon Laboratories, Inc.: L; Bayer Healthcare Pharmaceuticals: L; HOYA Corporation: S; Johnson & Johnson: L; Nidek, Inc.: S; Novartis Pharmaceuticals Corporation: S; Santen, Inc.: L,S; Senju Pharmaceutical Co. Ltd: L

**Viktoriya Goncharov CMP COA:** None;

**John A Gonzales MD:** Kaiser Permanente: L; National Eye Institute: S

**Mithra O Gonzalez MD:** None;

**Patrick Gooi, MD:** Alcon Laboratories, Inc.: C; Allergan: C; Bausch + Lomb: C; Glaucoma Surgical Device Patent (Non-Commercialized): P; Glaukos Corporation: C; Latician Ophthalmics, Inc.: C; Santen, Inc.: C

**Lynn K Gordon, MD, PHD:** Vedere Bio: C

**Mark S Gorovoy MD:** None;

**Alana L Grajewski MD:** None;

**David B Granet MD:** AAP: P; Diopsys, Inc.: C; Nevakar: C; Novasight: C

**Michael E Gray MD:** None;

**Laura K Green MD:** None;

**Aimee Greeter:** None;

**Ninel Z Gregori MD:** Astellas Institute for Regenerative Medicine: C; Nightstar Therapeutics: S

**Darren G Gregory MD:** None;

**Mark Greiner MD:** None;

**Dilraj Singh Grewal, MD:** Alimera Sciences, Inc.: C; Allergan: C; Clearside: C; Eyepoint: C

**Seanna R Grob, MD:** None;

**Ronald L Gross MD:** Aerie Pharmaceuticals: C,L; Allergan, Inc.: C,L,S; Glaukos Corporation: C; Intelligent Retinal Imaging Systems, LLC: C,O

**Hans E Grossniklaus MD:** National Eye Institute: S

**Davinder S Grover MD:** Aerie Pharmaceuticals, Inc.: L; Allergan: C,L,S; Bausch + Lomb: L,C; Glaukos Corporation: C; MicroOptx: C; New World Medical Inc: C,L; Reichert, Inc.: C,L

**Sandeep Grover MD:** None;

**Andrzej Grzybowski MD:** Alcon: S; Bausch Lomb: C,L; Pfizer, Inc.: C,L,S; Santen, Inc.: S; Valeant: L,S

**Sirel Gur Gungor MD:** None;

**Aditi Gupta, MD:** None;

**Neeru Gupta MD PhD:** None;

**Omesh P Gupta MD:** None;

**Preeya K Gupta MD:** Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Aurea Medical: C; Johnson and Johnson Vision: C; Kala Pharmaceuticals, Inc.: C; New World Medical Inc: C; NovaBay Pharmaceuticals: C; Novartis Pharma AG: C; Ocular Science: C; ReGen Tree: C; Shire: C; Sight Sciences, Inc.: C; Sun Pharmaceutical Industries Inc: C; TearLab Corporation: C; Zeiss Carl Ltd.: C

**Shikha Gupta, MBBS:** Dr. R. P Centre, All India Institute of Medical Sciences: E

**Naomi E Gutkind, MD:** None;

**Robyn H Guymer MBBS PhD:** Apellis: C; Bayer Healthcare Pharmaceuticals: C; Novartis Pharma AG: C; Roche Diagnostics: C

## H

**Ranya G Habash MD:** None;

**Samantha Habhab, MD:** None;

**Farhad Hafezi, FARVO, MD, PHD:** EMAGine AG: O,P; GroupAdvance Consulting GmbH: C,O; Light for Sight Foundation: S; SCHWIND Eye-tech-Solutions GmbH: S; Velux Foundation: S

**Paul Hahn MD PhD:** Alimera Sciences, Inc.: C; Allergan, Inc.: C; DORC International, bv/Dutch Ophthalmic, USA: C; GENENTECH: C,L

**Meron Haile, MD:** None;

**Julia A Haller MD:** Aura Biosciences: C; Bionic Sight LLC: C; Bristol Myers Squibb: O; KalVista: C; Lowy Medical Research Institute: C; Novartis Pharmaceuticals Corporation: C

**D Rex Hamilton MD:** Carl Zeiss Meditec: C; Johnson & Johnson Vision: C

**Naama Hammel MD:** Google LLC: E

**Pedram Hamrah MD:** Allergan: C,S; Bausch Lomb: C,S; Clementia: C; Coopervision: C; Dompe: C,S; Editas: C; Eyegate Pharma: C,O; GlaxoSmithKline: S; Heidelberg Engineering: C; Kala Pharmaceuticals: C; National Eye Institute: S; Novaliq: C; Novartis Pharma AG: C,S; Noveome: S; Ocular Therapeutix: S; Oculis: C; OKYO: S; Oysterpoint Pharma: S,C; Santen, Inc.: C

**Dennis P Han MD:** Apellis Pharmaceuticals: C; Aura Biosciences: C

**Sheryl M Handler MD:** None;

**Sadeer B Hannush MD:** Kowa American Corporation: C

**J William Harbour MD:** Castle Biosciences, Inc.: C,P

**David R Hardten MD:** ESI, Inc.: C,O; Glaukos Corporation: C; Humanoptics: S; Johnson & Johnson: C; Minnesota Eye Consultants: O; OSD, Inc: C,O; Sightpath: C; UVP: O

**George Harocopos MD:** None;

**Andrew R Harrison MD:** Horizon Pharmaceuticals: C,L,O; Osmotica Pharmaceuticals: C

**Collin Hart:** None;

**Mary Elizabeth Hartnett MD FACS:** Knights Templar Eye Foundation: C; Lippincott Williams and Wilkins: P; NIH/NEI: S; novartis: S; PAREXEL: S; patent: P; Regeneron Pharmaceuticals, Inc.: C

**Morris E Hartstein MD:** Springer: P

**Thomas M Harvey MD:** Lenstec, Inc.: C; PRN Physician Recommended Nutraceuticals: C; RPS: O; TLC Laser Eye Centers: O

**Murat Hasanreisoglu, MD:** None;

**Muhammad Hassan, MD:** None;

**Tarek S Hassan MD:** Alcon Laboratories, Inc.: C; Allergan: C; ArcticDx, Inc.: C,O; Bayer Healthcare Pharmaceuticals: C; GENENTECH: C; Hoffman La Roche, Ltd.: C; Iconic Therapeutics: C; Katalyst Surgical, LLC.: C; Novartis Pharmaceuticals Corporation: C; Oculus, Inc.: C,O; Regeneron Pharmaceuticals, Inc.: C; Surgicube: C; Vitreq: C; Vortex Surgical: C

**Lynn M Hassman, MD:** None;

**Vivienne S Hau, MD, PHD:** Bayer Healthcare Pharmaceuticals: S; GENENTECH: S; Novartis Pharma AG: S; Regeneron Pharmaceuticals, Inc.: S

**Mingguang He, MD PhD:** None;

**Paul R Healey, MBBS:** Allergan, Inc.: C,L; Glaukos Corporation: C,L; Ivantis: C; National Health & Medical Research Council of Australia: S; Novartis Pharma AG: L

**Gena Heidary MD:** Children's Tumor Foundation: S; National Eye Institute: S

**Jeffrey S Heier, MD:** 4DMT: C; Adverum: C,O; Aerie Pharmaceuticals, Inc.: C; Aerpio: C,S; Aldeyra: C,O; Allegro: C,O; Alzheon: C; Apellis: C,S; Aprea: C; Asclepix: C; Aviceda: C,O; Bayer Healthcare Pharmaceuticals: S; Beaver-Visitec International, Inc.: C; Chengdu Kanghong Biotech: C,S; Digital Surgery Systems: O; DTx: C; Eloxx: C; Galimedix: C; GENENTECH: C,S; Graybug: C,S; Gyroscope: S,C; Hemera: S; irenix: C; Iveric: C,S; Janssen R&D: S; jCyte: C,O,S; Kala: C; NGM Biopharmaceuticals: C; Notal Vision, Inc.: C; Novartis Pharma AG: C,S; Ocular Therapeutix: C,O; Oxurion: C; Palatin: C; Regeneron Pharmaceuticals, Inc.: C,S; Regenxbio: C,S; Santen, Inc.: C; Stealth Biotherapeutics: C,S; THEA: C; Vinci: C; Voyant: C

**Amanda D Henderson, MD:** None;

**Bonnie An Henderson, MD:** Alcon Laboratories, Inc.: C,L; EyePoint: C; Novartis Pharma AG: C; Zeiss: C

**Raoul Paolo D. Henson, MD:** None;

**Kristell Mariana Hernandez, MD:** None;

**Leon W Herndon Jr, MD:** None;

**James D Hiles:** NA: C

**Warren E Hill MD:** Alcon Laboratories, Inc.: C; Carl Zeiss Meditec: C; Haag-Streit Group: P,C; LENSAR: C; Omega Ophthalmics: C; Optos, Inc.: L

**Akito Hirakata MD:** None;

**Allen C Ho MD:** Aerpio: C,S; AGTC: C,S; Alcon Laboratories, Inc.: C,S; Allergan: C,S; Apellis: S; Asclepix: C; Beaver-Visitec International, Inc.: C; Chengdu Kanghong Biotechnology: C,S; Covalent Medical, LLC.: O; GENENTECH: C,S; Iconic: C,S; IRIDEX: C,S; Johnson & Johnson: C,S; Lineage / BioTime: C; National Eye Institute: S; ONL: C,O; Ophthotech: S; Optovue, Inc.: C,S; PanOptica: C,O; ProQR: C; Regeneron Pharmaceuticals, Inc.: C,S; REGENEXBIO: C,S; Second Sight Medical Products, Inc.: C,S; Tyrogenix: C

**Quan V Hoang MD, PhD:** None;

**Lauren E Hock, MD:** None;

**Kenneth J Hoffer, MD FACS:** Carl Zeiss Meditec: P; Escalon Medical Corp: P; Haag-Streit: P; Heidelberg Engineering: P; Nidek, Inc.: P; Oculus, Inc.: P; Optopol Technology Sp. z o.o.: P; Tomey Corp.: P; Topcon Medical Systems: P; Ziemer: P

**John Bryan Holds MD:** Cypris Medical: O; Horizon Pharmaceuticals: C,O; Revance Therapeutics: O; Springer: P; Sun Biopharma: O

**Nancy M Holekamp MD:** Acucela: C; Allergan, Inc.: C,L; Annexon: C; Clearside: C; Gemini: C,S; GENENTECH: C,L,S; Gyroscope: S; Katalyst: C,O,P; Lineage Cell Therapeutics: C; Nacuity: C; Notal Vision: C; Novartis Pharma AG: C,L; Polyactiva: C; Regeneron Pharmaceuticals, Inc.: C,L; Spark: L

**Edward J Holland MD:** Abingworth: C; Aerie: C; Akros: C; Alcon: C,L; Aldeyra Therapeutics: C; Allegro: C; Allergan: C; Azura Ophthalmics: C; BioTissue: C; BlephEX, LLC: C; BRIM Biotech: C; Claris: C; CorneaGe: C; CorneaGen: C; Corneat: C; Dompe: C; Expert Opinion: C; EyePoint: C; Glaukos: C; Hanall: C; Imprimis Pharma: C; Kala Corporation: C; Mati Therapeutics: C; Merck KGaA: C; Novartis NIBR: C; Novartis Pharmaceuticals: C,L; Ocuphire: C; Omeros: C,L; OysterPoint: C; Precise Bio: C; Prometic: C; ReGentree, LLC: C; Retear: C; Senju Pharmaceutical Co., LTD.: C,L; Shire: C,L; Sight Sciences: C; SLACK: C; Tarsus: C; TearLab Corporation: C; Vomaris: C; W.L. Gore and Associates: C; Zeiss: C

**Gary N Holland MD:** None;

**Jonathan M Holmes MD:** National Institutes of Health: S

**Frank G Holz MD:** Acucela: C,S; Alcon Laboratories, Inc.: C; Allergan: C,S; Apellis: C; Bayer Healthcare Pharmaceuticals: C,L,S; Boehringer-Ingelheim: C; Centervue: S; GENENTECH: C,S; Geuder: C,S; Heidelberg Engineering: C,S; Hoffman La Roche, Ltd: C,S; Kanghong: C,S; LIN Bioscience: C; Nightstar: S; Novartis Pharmaceuticals Corporation: C,L,S; Optos: S; Oxurion: C; Pixium: C; Zeiss: C,S

**Santosh G Honavar MD:** None;

**Sang H Hong MD:** Horizon Therapeutics: C

**Robert A Honkanen MD:** None;

**John A Hovanesian MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C,L,S,O; Alicia Surgery Center: O; Allegro Ophthalmics: C,O; Allergan, Inc.: C,O; Azura Ophthalmics: C; Bausch & Lomb Surgical: C,L,S; Bausch Lomb: C,L,S; BlephEX, LLC: C,L,O; Carl Zeiss Meditec: C,L,S; Cord, LLC: O,C,L; Equinox: O,C; Eyedetec: O,C,L; EyePoint: C,S,L; Glaukos Corporation: C,L; Guardian Health Sciences: C,O; Harvard Eye Associates: O; Ingenoeye: O,C; ivantis: C; Johnson & Johnson Vision: C,L,O,S; Kala Pharmaceuticals: C; Katena Products, Inc.: L,C; MDbackline, LLC: O,P; Novaliq: C; Novartis, Alcon Pharmaceuticals: O,C,S; Ocular Therapeutix: C,L,O; Oculis: C; Omeros: C,L; Reata: C,S; Refocus Group: C; Research InSight LLC: O; ReVision Optics: C; RxSight: O,C; Sarentis Ophthalmics: C,O; Shire: C,L,S; Sight Sciences: C,O; SightLife: O,C; SLACK, Incorporated: C,L; Sun Ophthalmics: C,L,S; Tear Clear: O,C; Tear Science: C,L; TearLab Corporation: C,L; Versant Ventures: O; Vindico Medical Education: C,L; Visionary Ventures Fund 1 and 2 & its investments: O; Vista Research: C

**Hong-Uyen Hua, MD:** None;

**David Huang MD PhD:** Optovue, Inc: O,P,S

**Suber S Huang MD, MBA:** Diopsys: C,L,S; Lumoptic: C,O; NEI/NIH: C; Outlook Therapeutics: C; Regenerative Patch Technologies: C; RegenXbio: C; Replenish: C; Second Sight Medical Products: C; Volk Optical, Inc.: C,L; Washington University (St. Louis) DOLF study: C

**Jean-Pierre Hubschman MD:** alcon: C; Allergan: C; Bausch & Lomb: C; UCLA: P; Zeiss: C

**Mark S Humayun MD PhD:** Allergan: C,L; Duke Eye Center: P; Eyemedix: C,O,P,S; IRIDEX: P; John Hopkins University: P; Lutronic Vision: C,O; MTTR: C,O; Outlook Therapeutics: C; Regenerative Patch Technologies (RPT): C,O,P; REPLENISH: C,O,P; Santen, Inc.: C,L; Second Sight Medical Products, Inc.: O,P; University of Southern California: E,P

**Michael G Hunt MD:** None;

**David G Hunter MD PhD:** Boston Children's Hospital: P; Johns Hopkins University: P; Lippincott Williams Wilkins: P; Luminopia, Inc.: C,O; Rebion, Inc.: C,O; SLACK Incorporated: P

**Jeffrey S Hunter MD:** None;

**Amy K Hutchinson MD:** None;

**Thomas Hwang MD:** None;

## I

**Omolola O Idowu MD:** None;

**Cristos Ifantides, MD, MBA:** Abbvie: E; Centricity Vision: C; Hu-Med Technologies LLC: C,O,P; New World Medical, Inc.: S,P; Spect, Inc.: C; Vision 2020 USA: C

**Tsutomu Inatomi MD PhD:** None;

**Michael S Ip MD:** alimera: C; Allergan, Inc.: C; amgen: C; BioTime Inc.: C; Cell Lineage Therapeutics: C; Clearside: C; GENENTECH: C; Novartis Pharma AG: C; Regeneron Pharmaceuticals, Inc.: C; Regenxbio: C

**John Alexander Irvine MD:** None;

**Hiroshi Ishikawa MD:** None;

**Nazrul Islam, MBBS:** None;

**Noor Ismaiel:** None;

**Andrew George Iwach, MD:** Bausch+Lomb: C,L; Ivantis: C; New World Medical Inc: C,L

**Geetha K Iyer MBBS:** None;

## J

**Douglas A Jabs MD MBA:** None;

**Jorie Jackson:** None;

**Mary Lou Jackson MD:** Astellas: C

**Soosan Jacob, MBBS, FRCS:** None;

**Deborah S Jacobs MD:** Neuroptika: C; Novartis Pharma AG: C; Simple Contacts: C,O; TECLens: C,O; UpToDate: P

**Glenn J Jaffe, MD:** Clearside: C; EyePoint: C; EyeVensys: C; Heidelberg Engineering: C; Iveric: C; Neurotech: C; Novartis Pharma AG: C

**Martine J Jager, MD, PHD:** None;

**Neera S Jagirdar, MD:** None;

**Sandeep Jain MD:** Advaita, Inc.: O,E; Ocugen, Inc : C

**Lee M Jampol MD:** National Eye Institute: S; Sanofi: C

**Farnaz Javadian, BS:** None;

**Reynaldo Manansala Javate, MD:** None;

**Bennie H Jeng MD:** EyeGate Pharmaceuticals Inc.: O; GlaxoSmithKline: C; Kedrion: C; Merck & Co., Inc.: C

**Vishal Jhanji, MD, FRCOphth:** None;

**Chirag D Jhaveri MD:** Allergan, Inc.: C; Boeringer-Ingelheim: C; GENENTECH: C; Novartis, Alcon Pharmaceuticals: C

**Imran Jivraj, MD:** None;

**Denise A John MD:** None;

**Anthony J Johnson MD:** None;

**Anthony Pruet Johnson MD FACS:** None;

**Daniel A Johnson MD:** None;



**Mark W Johnson MD:** Amgen: C; Apellis: S; Aura Biosciences: C; Pfizer, Inc.: C; Syneos Health: C

**William J Johnson, MD:** None;

**Jost B Jonas MD:** Biocompatible UK Ltd: P; Oneself: P; University Heidelberg: P

**Emily P Jones, MD:** None;

**Jason J Jones MD:** Glaukos Corporation: S; Ivantis: C,S,L; Johnson & Johnson: C,L,S; Mimetogen Pharmaceuticals: S; Perfect Lens: C; SLACK: L

**Jeremy K Jones MD:** None;

**Karen M Joos MD PhD:** National Eye Institute: S; Patent (no royalties yet) - Assigned to Vanderbilt University: P

**Andrew Joseph, MD:** None;

**Jeffrey M Joseph, MD:** Allergan, Inc.: C; Inmode: C

**Shannon Shan Joseph, MD:** horizon: C

**J Michael Jumper MD:** Allergan: S; Carl Zeiss Meditec: S; Chengdu Kanghong Pharmaceutical Group: S; Covalent Medical LLC: O; EMD Serono: S; GENENTECH: S; Graybug Vision Inc.: S; Kodiak Sciences Inc: S; Novartis Pharma AG: S; Santen, Inc.: S; Topcon Medical Systems Inc.: S

**Jennifer L Jung, MD:** None;

**Ula Jurkunas MD:** Chiesi: C; claris: C; ClearView: C; Intelia: S; Kowa American Corporation: C; Kowa: S; Senju: C

**Grant A Justin, MD:** None;

## K

**Kazuaki Kadonosono MD:** None;

**Alon Kahana MD PhD:** GENENTECH: C,S; Horizon Pharmaceuticals: C; Stryker Corp/Medical Division: C; TissueTech, Inc.: C

**Malik Y Kahook MD:** Alcon Laboratories, Inc.: P; Allergan, Inc.: C; Aurea Medical: C,O,P; Equinox: C,O; Johnson & Johnson Vision: P; New World Medical Inc: P; ShapeTech LLC: O,P; SpyGlass Ophthalmics: C,O,P

**Peter K Kaiser MD:** aerie: C; Aerpio: C; Alcon Laboratories, Inc.: C,L; Allegro: C; Allergan: C; Bayer Healthcare Pharmaceuticals: C,L; Biogen Inc: C; Boeinger: C; clearsight: C; Eyeevensys: C; Formycon: C; Galecto: C; Galimedix: C; glaukos: C; iRenix: C; ivericBio: C,O; jCyte: C; Kala: C; kanghong: C; Kodiak: C; Novartis Pharmaceuticals Corporation: C,L; Ocugenix: C; Omeros: C; Opthea: C; Oxurion: C; Regeneron Pharmaceuticals, Inc.: C,L; RegenexBio: C; Retinal Sciences: C,O; santen: C; SciFluor Lide Sciences: C; Stealth: C; Verana: O

**Shivani S Kamat, MD:** None;

**A John Kanellopoulos MD:** Alcon Laboratories, Inc.: C; Amnion: C; Avedro: C; ISP Surgical: C; KeraMed, Inc.: C; ORCA: C

**Hyun Goo Kang, MD:** None;

**Jessica M Kang, MD:** None;

**Michael A Kapamajian MD:** None;

**Randy H Kardon MD PhD:** FaceX: O; Fight for Sight Board of Directors: C; Heidelberg Engineering: S; MedFace: O; National Eye Institute: S; Novartis Pharmaceuticals Corporation: C; Santen, Inc.: C; Veterans Administration: S; Zeiss: L

**Justin Nathaniel Karlin, MD:** None;

**Carol L Karp MD:** None;

**Amir H Kashani MD PhD:** Carl Zeiss Meditec: C,L; National Eye Institute: S; Regenerative Patch Technologies Inc: S

**Manpreet Kaur MD:** None;

**Christine Nichols Kay MD:** AGTC: C,S; Alkeus: S; Astellas: C; Foundation Fighting Blindness: S; Nightstar Therapeutics: C,S; Novartis Pharma AG: C; Ophthotech: C; ProQR: S; Sanofi: C; Second Sight Medical Products, Inc.: C; Spark Therapeutics, Inc.: C

**Michael Kazim MD:** None;

**Melanie A Kazlas MD:** None;

**Pearse A Keane MBBCh:** Allergan, Inc.: L; Apellis: C; Bayer Healthcare Pharmaceuticals: C,L; Big Picture Eye Health: O; DeepMind Technologies: C; Heidelberg Engineering: L,S; Novartis Pharma AG: C,L; Roche Diagnostics: C,L; Topcon Medical Systems Inc.: C,L

**Sanjay R Kedhar MD:** None;

**Ramesh Kekunnaya, MD FRCS:** None;

**Aditya S Kelkar MBBS:** Novartis, Alcon Pharmaceuticals: L,S

**John H Kempen MD:** Betaliq: O; Christoffel Blindenmission: S; Gilead Sciences: C; Massachusetts Eye and Ear: E; National Eye Institute: S; Sight for Souls: S; Tampa Bay Uveitis Center: C

**Peter J Kertes MD:** Allergan: C,S; ArcticDx, Inc.: O; Bayer Healthcare Pharmaceuticals: C,L,S; GENENTECH: S; Novartis, Alcon Pharmaceuticals: C,L,S; Novelty Nobility: C; Roche: S,C

**Khizer R Khaderi MD:** Vizzario Inc.: O

**Mounir A Khalifa MD:** None;

**Ahmad Khalil Khalil MD:** None;

**Arif O Khan, MD:** Novartis, Alcon Pharmaceuticals: C

**Baseer U Khan MD:** allergan: C; Bausch + Lomb: C; Zeiss: C

**Hamza N Khan MD FACS:** Bausch & Lomb Surgical: C,L; Johnson & Johnson Vision: C; Shire: C

**Mohammed Ali Khan, MD:** Allergan: C; Apellis Pharmaceuticals: C; GENENTECH: C; Regeneron Pharmaceuticals, Inc.: S

**Arshad M Khanani MD:** Adverum: S,C; Alcon Laboratories, Inc.: C; Allegro: C,S; Allergan: C,L,S; Eyepoint: C; Gemini: C,S; GENENTECH: C,S; Glaukos: C; Gyroscope: C,S; IVERIC BIO: S; Kodiak Sciences: C,S; Neurotech: S; Novartis Pharmaceuticals Corporation: C,L,S; Opthea: C,S; Oxurion (formerly ThromboGenics): C,S; Polyphotonix: C; Recens Medical: C,S; Regenxbio: C,S

**Sumitra S Khandelwal, MD:** Alcon Laboratories, Inc.: C; Bausch + Lomb: C; Carl Zeiss Meditec: C; Ocular Therapeutix: C; Omeros Corporation: C

**Nora Khatib, MD:** Alimera Sciences, Inc.: C

**Anthony P Khawaja MBBS:** Aerie Pharmaceuticals, Inc.: C; Allergan: C,L; Google Health: C; Novartis Pharmaceuticals Corporation: C; Santen, Inc.: C,L; Thea: S

**Ahmad Kheirkhah MD:** None;

**Ramin Khoramnia, MD:** Abbott Medical Optics Inc.: L,S; Alcon Laboratories, Inc.: L,S; Alimera Sciences, Inc.: L,S; Allergan: L; Bausch+Lomb: S; Bayer Healthcare Pharmaceuticals: L,S; Carl Zeiss Meditec: S; Contamac: S; Hoya: S,L; HumanOptics: S; Kowa: S; LensAr: S; Novartis Pharmaceuticals Corporation: L,S; Oculentis: L,S; OPHTEC: L; Physiol: L,S; Powervision: S; Rayner Intraocular Lenses Ltd: L,S; Roche Diagnostics: L,S; Santen, Inc.: L,S; SIFI: L,S

**Albert S Khouri MD:** Aerie Pharmaceuticals: C,L; Allergan: L,S; Bausch + Lomb: L; Glaukos Corporation: C; New Jersey Health Foundation: S; Optovue: S

**Rahul Khurana, MD:** Apellis: C,S; Bausch + Lomb: C; Chengdu Kanghong: S; Merck & Co., Inc.: C; Roche: S

**Don O Kikkawa MD:** Horizon Pharmaceuticals: C

**Aylin Kilic, MD:** Alcon Laboratories, Inc.: C; allotex: C; Johnson & Johnson: C; vivior: C

**Hee J Kim MD:** None;

**Ivana K Kim MD:** Allergan, Inc.: S; Biophytis: C; Castle Biosciences: C; Kodiak Sciences: C; Novartis, Alcon Pharmaceuticals: C

**Jonathan W Kim, MD:** None;

**Judy E Kim MD:** Adverum: C; Alimera Sciences, Inc.: C; Allergan: C; cellcure: C; Clearside: C; Eyepoint: C; GENENTECH: C; Kodiak: C; Notal Vision, Inc.: S; Notal Vision: C; Novartis: L; Optos, Inc.: S

**Sung Min Kim, MD:** None;

**Terry Kim MD:** Aerie Pharmaceuticals: C; Alcon/Novartis: C; Allergan/Actavis: C; Avellino Labs: C,O; Azura Ophthalmics: C; B&L/Valeant: C; CorneaGen: C,O; Dompe: C; Eyenovia: C,O; Glaukos Corporation: C; Johnson & Johnson Vision: C; Kala Pharmaceuticals: C,O; Novartis Pharma AG: C; Ocular Therapeutix: C,O; Oculis: C; Omeros: C,O; Presbyopia Therapies: C,O; Sight Sciences, Inc.: C; Simple Contacts: C,O; Surface: C; Zeiss: C

**Yoon-Duck Kim MD:** None;

**Alan E Kimura, MD, MPH:** Spark Therapeutics, Inc.: C,L

**Trevor Kindle, MD:** None;

**Shigeru Kinoshita MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C,L; Astellas Pharmaceutical Co.,Ltd.: L; CorneaGen: O,P,S; HOYA Co., Ltd.: S; Japan Agency for Medical Research and Development: S; Japan Society for the Promotion of Science: S; Johnson & Johnson Vision: L; KOWA Co., Ltd.: C; Otsuka Pharmaceutical Co., Ltd.: C,L,S; Rohto Pharmaceutical Co., Ltd.: C; Santen Pharmaceutical Co., Ltd.: C,L,S; Senju Pharmaceutical Co., Ltd.: C,L,P

**John W Kitchens MD:** Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan: C; Bayer Healthcare Pharmaceuticals: C,L; Carl Zeiss Meditec: C; GENENTECH: C; Notal Vision, Inc.: C; Optos, Inc.: C; Regeneron Pharmaceuticals, Inc.: C; Spark Therapeutics, Inc.: C,L; Vortex Surgical: C

**Shelley Klein, CO:** None;

**Guy Kleinmann MD:** Corneat Vision: C; HANITA IOLs Ltd: C; Orasis: C; Shulov – Innovative Science Ltd: C

**Melissa W Ko MD:** None;

**Douglas D Koch MD:** Alcon Laboratories, Inc.: C; CAPSULaser: O; Carl Zeiss Meditec: C; Ivantis: O; Johnson & Johnson: C; Perfect Lens: C; Vivior: O

**Shilpa M Kodati, MD:** None;

**Jagger Koerner, MD:** None;

**Bruce H Koffler MD:** None;

**Adrian H Koh MD:** Alimera Sciences, Inc.: C; Allergan Medical Affairs: C,L; Bausch + Lomb: C; Bayer Healthcare Pharmaceuticals: C,L; Boehringer Mannheim: C; Heidelberg Engineering: C,L; Novartis Pharma AG: C,L,S; Topcon Medical Systems Inc.: C

**Thomas Kohnen MD, PhD, FEBO:** Allergan Medical Affairs: C; Bausch + Lomb: C; Carl Zeiss Meditec: C,S; Dompé: C; Geuder: C; Hoya: S; Johnson & Johnson Vision (Abbott): C,S; MedUpdate: C; Merck & Co., Inc.: C; Novartis (Alcon): C,S; Oculentis: C,S; Oculus



Optikgeräte: C,S; Presbia: C,S; Rayner Intraocular Lenses Ltd: C; Santen, Inc.: C; SCHWIND eye-tech-solutions: C,S; STAAR Surgical: C; TearLab Corp.: C; Thea Pharma: C; Thieme Compliance: C; Zeiss: S,C; Ziemer: C

**Noriko Koizumi MD:** ActualEyes, Inc.: O,S,P; Japan Innovative Therapeutics, Inc.: S; Kowa Company Ltd.: C,S; M's Science Corporation: C,S; Senju Pharmaceutical Co.,Ltd.: P,S

**Gregg T Kokame MD:** Bausch+Lomb: C; Bayer Healthcare Pharmaceuticals: C; GENENTECH: S; IVERIC: S; Novartis: S; Regeneron Pharmaceuticals, Inc.: C,S; Salutaris: S; Zeiss: C

**George (Yu Xiang) Kong, MBBS:** glance optical: O

**Ellen Koo, MD:** None;

**Carina Koppen MD:** None;

**Anjum F Koreishi, MD:** None;

**Bobby S Korn, MD PhD FACS:** Elsevier, Inc.: P; Horizon Therapeutics: C

**Andrea N Kossler, MD:** Horizon Therapeutics: C; Immunovant therapeutics: C; Osmotica: L

**Patrick Krause:** None;

**Mark E Kropiewnicki, JD, LLM:** Health Care Group: C,E,O

**Ronald R Krueger MD:** Alcon Laboratories, Inc.: C; Bausch + Lomb: C; Johnson & Johnson Vision: C; Ocutrx: O,C; Optoquest: C; Rx Sight: O; Strathespey Crown: O

**Johann A Kruger MBChB:** None;

**Ferenc P Kuhn MD PhD:** None;

**Felix Forest Kung, BA:** None;

**Anthony N Kuo MD:** Leica: P

**Baruch D Kuppermann MD PhD:** Allegro: C,S,O; Allergan: C,S,L; Apellis: S; Aprea Therapeutics, Inc: C; Cell Care: C,O; Dose: C; Eyedaptic: C,O; Galimedix: C,O; Genentech, Inc.: C,S; Glaukos Corporation: C; Interface Biologics: C; Ionis: S; IVERIC Bio: C; jCyte: C,O; Novartis Pharmaceuticals Corporation: C,S; Ocunex Therapeutics: C,O; Ophthotech: C; Regeneron Pharmaceuticals, Inc.: C,S; ReVana Therapeutics: C,O; Ripple Therapeutics: C; Theravance Biopharma: C

**Ajay E Kuriyan, MD:** Alimera Sciences, Inc.: C; Allergan: C; Bausch + Lomb: C; GENENTECH: C,S; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: C; regeneron: C; Second sight: S

**Shree K Kurup MD:** Abbvie: C; Alimera Sciences Limited: C; Allergan, Inc.: C,L,S; Mallinckrodt Pharmaceuticals: C; Pfizer, Inc.: S; Regeneron Pharmaceuticals, Inc.: L,S; XOMA (US) LLC: L

**Barbara Kusa MD:** None;

**Burton J Kushner MD:** NovaSight: C

## L

**Eleonora G Lad MD PhD:** Allegro Ophthalmics: C; Apellis: C; Boehringer Ingelheim: S; Galimedix: C; Hoffman La Roche, Ltd.: S; Hoffmann La Roche: C; Novartis, Alcon Pharmaceuticals: S; Retrotape: C

**Timothy Y Lai MD, FRCOphth, FRCS:** AbbVie: C; Allergan: L; Bayer Healthcare: C,L,S; Boehringer Ingelheim Pharma: C; Chengdu Kanghong Biotech: S,L; Novartis Pharmaceuticals Corporation: C,L,S; Oculus, Inc.: C; Roche: C,S,L; Santen, Inc.: S

**Ikeda Lal, MD:** None;

**Geeta A Lalchandani-Lalwani MD:** Genentech, Inc.: C; Novartis Pharma AG: C; ocugen: C; Regeneron Pharmaceuticals, Inc.: C

**Byron L Lam MD:** AGTC: S,C; Allergan, Inc.: C,S; Biogen Inc: S; Editas: S; National Eye Institute: S; Spark Therapeutics, Inc.: S

**Linda A Lam, MD, MBA:** Ocutrx: C

**Stacey L Lam, MBChB:** None;

**Wai-Ching Lam, MD:** Alcon: S; Bayer Healthcare Pharmaceuticals: C,L,S; Novartis Pharmaceuticals Corporation: C,L

**Scott R Lambert MD:** Cystic Fibrosis Foundation Therapeutics : C

**STEVEN LANCE:** None;

**Nicole A Langelier, MD:** None;

**Frank P Larkin MD:** Laboratories Thea: L; National Institute for Health Research (UK): S; Recordati Rare Diseases: C

**Marissa B Laroche, MD:** None;

**Christine L Larsen, MD:** Aerie Pharmaceuticals, Inc.: L; Allergan, Inc.: C

**Scott A Larson MD:** None;

**Nora V Laver MD:** None;

**Janice C Law, MD:** None;

**Simon K Law MD:** None;

**Linda M Lawrence MD:** None;

**Douglas R Lazzaro MD:** None;

**Aaron Y Lee, MD:** Carl Zeiss Meditec: S; Food and Drug Administration: E; GENENTECH: C; Microsoft: S; Novartis Pharmaceuticals Corporation: S; NVIDIA: S; Santen, Inc.: S; Topcon Medical Systems Inc.: L; Verana Health: C

**Andrew G Lee MD:** horizon: C

**Bradford William Lee, MD MSC:** Horizon Pharmaceuticals: O

**Bryan S Lee, MD JD:** AcuFocus, Inc.: S; Aerie Pharmaceuticals, Inc.: C; Carl Zeiss Meditec: S; New World Medical Inc: C

**Daniel Lee, MD:** Allergan, Inc.: S; Glaukos Corporation: L; Optovue, Inc.: S

**David A Lee MD:** Bausch + Lomb: L,S

**Haengjin Lee, MD:** None;

**Hui Bae Harold Lee MD:** None;

**Junhee Lee MD:** None;

**Katherine A Lee MD PhD:** None;

**Michael S Lee MD:** evolmed: C; horizon: O; springer: P; uptodate: P; vindico: C

**Min Joung Lee MD:** None;

**N Grace Lee MD:** None;

**Paul P Lee MD JD:** AAO Foundation - Hoskins Center for Quality and Safety: C; American University Professors of Ophthalmology: C; Duke Eye Center: P; EMR decision support and data entry: O; GSK: O; Kellogg Foundation: S; Medco Health Solutions: O; Merck & Co., Inc.: O; NAEVR / AEVR: C; National Eye Institute: S; Pfizer, Inc.: O; Research to Prevent Blindness: S; Statins for glaucoma: O; University of Michigan: E

**Thomas C Lee MD:** None;

**Wendy W Lee MD:** Allergan: C; Evolus: C; Galderma: C; Horizon Therapeutics: C; Mallinckrodt: C; Revance: C; Solta: C; Vertical/Osmotica: C

**William Barry Lee MD:** Dompe: C; ELSEVIER: P; Johnson and Johnson Vision: L; Kala: L; novartis: L; TissueTech, Inc.: C,L

**Won Ki Lee MD:** Bayer Healthcare Pharmaceuticals: C; Novartis, Alcon Pharmaceuticals: C; Roche Diagnostics: C

**Christopher Theodore Leffler, MD:** None;

**Gary L Legault, MD:** None;

**James D Lehmann MD:** CorneaGen: L; Glaukos Corporation: S; Johnson & Johnson Vision: L,S; Modernizing Medicine: C; RxSight: C,O

**Gary J Lelli, MD:** horizon: C

**Bart P Leroy MD:** Gensight Therapeutics: C,S; IVERIC Bio: C; Novartis Pharma AG: C,S; ProQR Therapeutics: C,S; REGENXBio: C; Spark Therapeutics, Inc.: C; Vedere Bio: C

**Cory M Lessner MD:** None;

**Christopher Kai-shun Leung MD MBChB:** Aerie Pharmaceuticals, Inc.: C; Carl Zeiss Meditec: C,L,P,S; Novartis, Alcon Pharmaceuticals: C,L; Quark Pharmaceuticals: C; Santen, Inc.: C,L; Tomey Corp.: C,L; Topcon Medical Systems Inc.: C,L,S

**Thellea K Leveque MD:** None;

**Alex V Levin MD:** None;

**Ashleigh Laurin Levison, MD:** Abbvie: L; Clearside Biomedical: C; Santen, Inc.: C

**Jennifer Y Li MD:** None;

**Thomas M Lietman MD:** None;

**Jennifer Irene Lim, MD:** Aldeyra Therapeutics: S; Allergan, Inc.: C; Aura Biosciences: C; Chengdu Kanghong: S; Clearside: S; Cognition Therapeutics: C; CRC Press/ Taylor and Francis: P; GENENTECH: C,S; Greybug: S; Iveric Bio: C; JAMA Ophthalmology Editorial Board: C; Kodiak: C; Novartis Pharma AG: C; Ophthea: C; pSivida: C; Quark: C; Regeneron Pharmaceuticals, Inc.: S; Santen, Inc.: C; Second Sight Medical Products, Inc.: S

**Lyndell Lim, MD, PHD:** Allergan, Inc.: L; Bayer Healthcare Pharmaceuticals: L,S; Novartis, Alcon Pharmaceuticals: L

**Luiz Lima MD:** None;

**Roberto Murillo Limongi S Carvalho MD:** None;

**Charles C Lin MD:** None;

**Michael Lin, MD:** None;

**Phoebe Lin MD PhD:** None;

**Shawn Lin, MD, MBA:** None;

**Shuai-Chun Lin, MD:** None;

**John T Lind MD:** Aerie Pharmaceuticals, Inc.: C,L; Perrigo: S

**Richard L Lindstrom MD:** AcuFocus, Inc: C,O,P; Alcon Laboratories, Inc: C; Allegro: C,O; Alphaeon: C,O; Aprea Therapeutics: O;



Augustine Temperature Management : O; Avellino Labs: C,O; Aviana: O; Bausch + Lomb: C,O,P; Belkin Laser: C,O; Broadspot: C,O; Bruder: O; Centricity Vision: C,O; Checked-Up: C,O; Combangio: C,O; Confluence Acquisition Partners, Inc: O; CorneaGen: C,O; CXL, ESI: C,O; Digital Systems: O; Dose: C,O; E-Vision Medical Devices: O; E-Vision: O; EBV Partners: O; Egg Basket Ventures: O; Egg Factory: O; Equinox: C,O; Eton: O; Evolus: O; Excel-Lens, Inc: O; Exoert Opinion: C,O; Eye Safe: C,O; Eyemaginations, Inc: C,O; Flying L Ventures: C,O; ForeSight #4: O; ForSight Vision 3 - Drug Delivery Posterior Segment: O; ForSight Vision 6 - Accommodating IOL: C,O; Freedom Software: O; FZioMed, Inc: O; Glaukos Corp: C,O; Harrow Health: C,O,P; Health-E: C,O; Healthcare Transaction Services: C,O; High Performance Optics: O; Iantrek: O; IDoc, Inc: O; Imprimis: C,O; InjectSense: C,O; Innovega: O; Johnson & Johnson Vision: C; KalaRx Pharmaceuticals: C,O; Kedallion: C,O; KeraFlow: C,O; LENSAR: C,O; LenTechs: C,O; Lenticular Research Group: O; Lifeguard Health: C,O; Lumineyes: O; MD Backline: C,O; Melt: C,O; Minnesota Eye Consultants: C,O; NASA-Vision for Mars Program: C; Neurovision: C,O; New Sight Reality: O; Novabay: C,O; Nutraceutical Holdings: C,O; Ocular Optics: C,O; Ocular Surgery News/Slack: C; Ocular Therapeutix: C,O; Oculatec: O; Ocutryx: C,O; Omega Eye Health: C,O; Omega Ophthalmics: C,O; Omeros Corp: C; Orasis: C,O; Oysterpoint: C,O; PogoTec: C,O; Q Sensei: O; Quest: C,O,P; Refractec: C,O; Revana: O; RxSight: C,O; Schroeder Ventures Fund II, III, IV, VI: C,O; SightPath: C,O; Silk Technologies: C; Solbeam, Inc: O; Strathsprey Crown: O; Stroma: O; SunPharma: C; Surface Pharmaceuticals: C,O; Tarsus: C,O; TearClear: C; TearLabs, Inc: C,O; Tissue Tech: O; Tracey Technologies: C,O; True Iris: C,O; True Vision: C,O; Versant Fund Side Fund: C,O; Vinci: C,O; Viradax: O; Vision Solutions Technology: C,O; Visionary Ventures: C,O; Ziess: C

**Tin Yan Alvin Liu, MD:** None;

**Yao Liu, MD, MS:** None;

**Yunxiang Liu, MD:** None;

**Stephanie M Llop Santiago, MD:** None;

**Ann-Marie Lobo MD:** Alcon Laboratories, Inc.: C; Novartis, Alcon Pharmaceuticals: C; Phoenix Technology Group: C

**Anat Loewenstein MD:** Allergan: C,S; Bayer Healthcare Pharmaceuticals: C,S; Beyeonics Surgical, Ltd.: C; Forsightlabs: C; KHB: C; Notal Vision, Inc.: C; Novartis Pharmaceuticals Corporation: C,S; Pres-by: C; Roche: C; Xbran: C

**Kenneth C Low MD:** Arthur De Gennaro Associates: C

**Careen Yen Lowder MD PhD:** None;

**Natalie M Loyacano, COMT, OCSR:** None;

**Mark J. Lucarelli, MD FACS:** None;

**Irene H Ludwig MD:** None;

**Gregg T Lueder MD:** None;

**Brendan J Lujan, MD:** GENENTECH: C,S; Kodiak Sciences: C; Lineage Cell Therapeutics: C; Novartis Pharma AG: C; Regeneron Pharmaceuticals, Inc.: C; REGENXBIO: C; RIBOMIC: C; Southern California Desert Retina Consultants: C; Translations Imaging Innovations, Inc.: C,O; University of California, Berkeley: P

## M

**Jingyi Ma:** None;

**Mathew W MacCumber MD PhD:** Alimera Sciences, Inc.: C; Allergan, Inc.: C; Apellis: S; Clearside Biomedical, Inc.: S; Covalent Medical: O; GENENTECH: C; National Eye Institute: S; Novartis Pharma AG: C; Regeneron: C; Spark Therapeutics: C; US Retina: O

**Marian Sue Macsai-Kaplan MD:** Abbvie: C; Allergan, Inc.: C,L; Avedro, Inc.: C; Dompé: C; Eye Vance: C; Invirsa, Inc.: C; Novartis, Alcon Pharmaceuticals: C,L; Ocular Therapeutix: C; PRN Physician Recommended Nutraceuticals: C; Trefoil Pharmaceuticals: C

**Albert M Maguire MD:** Foundation Fighting Blindness: S; Nightstar: S; Novartis Pharma AG: C; REGENXBIO Inc: C,S; Spark Therapeutics: C,S

**Francis S Mah MD:** Abbott Medical Optics Inc.: C,L,S; Aerie: C; Alcon: C; Allergan: C; Avedro, Inc.: C; Avellino Labs: C; Bausch Lomb: C,L; EyePoint: C; iView: C; KALA: C; Mallinckrodt Pharmaceuticals: C; NovaBay: C; Novartis, Alcon Pharmaceuticals: C,L; Ocular Science: C,O; Ocular Therapeutix: C,S; Okogen: C,O; Omeros Corporation: C; PolyActiva: C; Slack Publishing: C,P; Sun Pharma: C,L; Sydnexis: C,O; TearLab: C

**Santosh Kumar Mahapatra, MS:** None;

**Tamer H Mahmoud MD:** Aldeyra Therapeutics: S; Hoffman La Roche, Ltd.: S; National Eye Institute: S; Novartis Pharma AG: S; Vortex: P

**Ahad Mahootchi MD:** Allergan, Inc.: C,L; Bausch+Lomb: C,L; ImprimisRx: C; IRIDEX: C,L; Ivantis: C; New World Medical Inc: C

**Andre Maia, MD:** None;

**Mauricio Maia MD:** None;

**Parag A Majmudar MD:** Alcon Laboratories, Inc.: C; Bausch Lomb: C; CXL Ophthalmics LLC: O; Dompe: C; Eye Vance: O,C; Kala Pharmaceuticals: C; Novaliq: C; Novartis Pharma AG: C; Rapid Pathogen Screening: O; Sun Pharma: C

**Susan M Malinowski MD:** EyeQue, Inc: C

**Andrew Maller MBA:** None;

**Amanda C Maltry, MD:** None;

**Boris Malyugin MD PhD:** Alcon Laboratories, Inc.: C; Carl Zeiss Meditec: C; Morcher GmbH: P; MST: P; Novartis Pharmaceuticals



Corporation: C; Senju Pharmaceutical Co.,Ltd.: C

**Nick Mamalis MD:** Advanced Vision Science: S; Alcon Laboratories, Inc: S; Anew Optics, Inc: C,S; Atia Vision: S; ClarVista: S; ClearSight: S; CoDa Therapeutics: S; Cord: S; Genisphere: S; HOYA: S; KeraMed, Inc.: S; LensGen: S; Medcontur: S; Merck & Co., Inc.: S; Mynosys: S; Omega: S; PerfectLens: C,S; Physiol: S; PowerVision: S; QURA, Inc.: S; Zeiss: S

**Edward E Manche MD:** Alcon Laboratories, Inc.: S; Allergan: S; Avedro: C,S; Best Doctors, Inc.: C; Carl Zeiss Inc: C,S; Guidepoint: C; Johnson & Johnson Vision: C,S; Ocular Therapeutix: S; Placid0, INC: O; Presbia, Inc.: S; RxSight: O; Vacu-Site: O,P

**Anil K Mandal MD:** None;

**David B. Mandell, MBA:** None;

**Mark J Mannis MD:** None;

**Steven L Mansberger MD MPH:** Allergan: S; National Eye Institute: S; Nicox: C; THEA: C

**Joanne Mansour, OCSR:** Regeneron Pharmaceuticals, Inc.: L

**Kaweh Mansouri MD:** Alcon Laboratories, Inc.: C; Allergan: L; Implants: C; New World Medical Inc: C; Santen Inc: L; Sensimed AG: C

**Iason S Mantagos, MD:** None;

**John A Marasco:** Marasco & Associates, Healthcare Architects & Consultants: E,O

**Marcus M Marcet MD:** None;

**Milica Margeta, MD, PHD:** None;

**Todd P Margolis MD PhD:** GlaxoSmithKline: C; Ocugen: C; Rational Vaccines: O; RPB: S

**Michael F Marmor MD:** None;

**Brian P Marr MD:** AURA: C; CASTEL BIOSCIENCE: C; IMMUNICORE: C

**Joseph N Martel MD:** None;

**Daniel F Martin MD:** None;

**Elizabeth A Martin, MD:** None;

**Jose Agustin Martinez MD:** Adverrum: S; GENENTECH: S; Ionis Pharmaceuticals: S; Iveric Bio: S; Novartis, Alcon Pharmaceuticals: S; Regeneron Pharmaceuticals, Inc.: L,S; Santen, Inc.: S

**Arman Mashayekhi MD:** None;

**Samuel Masket MD:** Alcon Laboratories, Inc.: C; CAPSULaser: C,O; Haag-Streit: C,P; Mask-It Eye Patch: O; Morcher GmbH: P; Ocular Science: C,O; Ocular Therapeutix: C,O

**Steven L Maskin MD FACS:** Katena Products, Inc: C,L,P; MGDinnovations, Inc: O,P

**Mina Massaro-Giordano MD:** adverum: O; Dompe: C; Lynthera: C; oyster point: O; PRN Physician Recommended Nutraceuticals: O

**Christina L Master, MD:** None;

**Miguel A Materin MD:** Carl Zeiss Meditec: L; Castle Bioscience: C; Ideaya Biosciences: C

**Raj K Maturi MD:** aerpio: S; Alcimed: S; Allegro: C,S; Allergan: S; Boehringer-Ingelheim: S; dorc: C; Eli Lilly: S; GENENTECH: S; Graybug: S; kalvista: S; Ribomic: S; samsung: S; Santen: S

**Emmanouil Mavrikakis, MD, PHD:** None;

**Louise A Mawn MD:** Horizon: C

**Eduardo P Mayorga, MD:** None;

**Cosimo Mazzotta MD PHD:** None;

**Cathleen M McCabe MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C,L,S; Allergan: C,S; Bausch Lomb: C,L; EyePoint Pharmaceuticals: C,L,S; Glaukos Corporation: L,S; Ivantis: L,O,S,C; Johnson & Johnson Vision: S; Novartis Pharma AG: C,L; Ocular Innovations: C,O; Ocular Therapeutix: C,L,S; Omeros: C,L; Ora, Inc.: S; Sight Sciences, Inc.: C; Sun Ophthalmics: C,L; Zeiss: L,C

**Colin A McCannel MD:** DORC International, bv/Dutch Ophthalmic, USA: C,L; GENENTECH: S

**Tara A McCannel MD:** None;

**Collin M McClelland MD:** Horizon Therapeutics: C

**Peter J McCluskey MD:** AbbVie: C,L; Allergan: C; Carl Zeiss Meditec: S; Novartis Pharmaceuticals Corporation: L; Santen, Inc.: L

**Emily A McCourt, MD:** None;

**Michael S McCracken MD:** None;

**Timothy J McCulley MD:** None;

**H. Richard McDonald, MD:** Alcon Laboratories, Inc.: S; Carl Zeiss Meditec: S; Kodiak Sciences Inc.: C; Regeneron Pharmaceuticals, Inc.: S

**Marguerite B McDonald MD:** Akorn Inc.: C; Alcon Laboratories, Inc.: C; Allergan: C; Bausch+Lomb: C; Bio-Tissue, Inc.: C; BlephEx: C; Dompe: C; GlaxoSmithKline: C; Johnson & Johnson Vision: C; Novartis: C; Oculus, Inc.: C; OCuSOFT, Inc.: C; ORCA Surgical: C; Sun Ophthalmics: C

**Craig A McKeown MD:** None;  
**Stephen D McLeod, MD:** None;  
**Brian D McMillan, MD:** Aerie: C; Allergan, Inc.: C  
**Norman B Medow MD FACS:** None;  
**Jodhbir S Mehta, MBBS, PHD:** None;  
**Sonul Mehta MD:** None;  
**Frances Meier-Gibbons MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C,L; Allergan, Inc.: C,L; Glaukos Corporation: L; Heidelberg Engineering: L; Novartis, Alcon Pharmaceuticals: C,L; Santen, Inc.: L; THEA: L  
**Robert F Melendez, MD, MBA:** Social Media Page Creators: O  
**Annal D Meleth MD:** Allergan, Inc.: C; Eyepoint: C  
**Jill S Melicher Larson MD:** SLACK: P; Unifeye Vision Partners: O  
**Pauline T Merrill MD:** Alimera Sciences, Inc.: C,S; Covalent: O; Eyepoint: C; GENENTECH: L; Gilead Sciences: S; Lumenis Vision: C,S; National Eye Institute: S; OMIC-Ophthalmic Mutual Insurance Company: C; Santen, Inc.: C,S  
**Carsten H Meyer MD:** None;  
**Shahzad I Mian, MD:** Centrasight: S; National Eye Institute: S  
**Michel Michaelides, MD:** 2CTech: C; Acucela: C; MeiraGTx: C,O; Stargazer Pharmaceuticals: C  
**William F Mieler, MD:** None;  
**Hayley Miller, BS:** None;  
**Joan W Miller MD:** Genentech/Roche: C; Kalvista Pharmaceuticals: C; Lowy Medical Research Institute, Ltd.: S; ONL Therapeutics, LLC: C,O,P; Sunovion: C; Valeant Pharmaceuticals: P  
**John B Miller MD:** Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Carl Zeiss Meditec: C; Heidelberg Engineering: L; sunovion: C  
**Kevin M Miller MD:** Alcon Laboratories, Inc.: C; Johnson & Johnson Vision: C  
**Neil R Miller MD:** Elsevier: P; Quark Pharmaceuticals: C; Regenera: C; Wolters Kluwer: P  
**Tatyana Milman, MD:** None;  
**Virginia M Miraldi Utz, MD:** Retrophin: S  
**Kamiar Mireskandari, MBCHB, PHD:** Santen, Inc.: C  
**Robert A Mitra MD:** None;  
**Heather Modjesky, COE:** None;  
**Bobek S Modjtahedi, MD:** GENENTECH: S  
**Elad Moisseiev, MD:** None;  
**Susan P Mollan MBCHB:** Invex therapeutics: C; Neurodiem: C  
**Elizabeth Monroe, MA:** BSM Consulting: C,O  
**Jose R Montes MD:** Allergan: C,L,O,S; Galderma: C,L; Merz: C,L,S; Revance: C,L; SkinCeuticals: C,L  
**Virgilio Morales-Canton MD:** Alcon Laboratories, Inc.: C; Bayer Healthcare Pharmaceuticals: C; DORC International, bv/Dutch Ophthalmic, USA: C,L; Novartis Pharmaceuticals Corporation: L  
**Ian Morgan, PHD:** Essilor Instruments: C  
**Sayoko E Moroi MD PhD:** Wolters Kluwer Health: P  
**David G Morrison MD:** Regeneron Pharmaceuticals, Inc.: S  
**Christie L Morse, MD:** AAPOS EVP: S; OMIC: C  
**Andrew A Moshfeghi MD, MBA:** Allergan: C; GENENTECH: C,S; Graybug: C; Novartis Pharma AG: C,S; Ocular Therapeutix: C,O; OptiSTENT: C,O; Placid0, Inc: O; Pr3vent: C,O; Regeneron Pharmaceuticals, Inc.: C,S  
**Darius M Moshfeghi MD:** 1800Contacts: C; Akceso Advisors AG: C; Alexion Pharmaceuticals: C; Bayer Healthcare Pharmaceuticals: C; CME Outfitters.com: C; dSenz, Inc: C,O; GENENTECH: S; Grand Legend Technology, LTD: O; Iconic Therapeutics, Inc: C; Irenix: C; Linc, Inc.: O; M3 Global Research, Inc.: C; Northwell Health: L; novartis: C; Ocular Surgery News: C; Pr3vent: O; Praxis UNS, Inc.: C; Prime Medical Education: C; Promisight, Inc: C,O; Pykus: C,O; Regeneron Pharmaceuticals, Inc.: C; Retina Today/Pentavision: C; Shapiro Law Group: C; SLACK: C; University of Miami: L; Versl, Inc: O; vindico: L; Visunex Medical Systems, Co. Ltd: C,O  
**Mark L Moster MD:** Gensight: C,S; Horizon: C; Regenera: S; Sanofi: L  
**Marlene R Moster MD:** Aerie Pharmaceuticals: C,L,S; Alcon Laboratories, Inc.: C,L,S; Allergan: C,L,S; Bausch + Lomb: L,S; Glaukos: S; InnFocus: S; IRIDEX: L,S; MedEdicus: L; Novartis, Alcon Pharmaceuticals: L; QURA: C,O; Santen, Inc.: C,S  
**Magdy S Moussa MD MBCh:** None;  
**Prithvi Mruthyunjaya MD:** Aura: C; Castle Biosciences Inc: C  
**Lucy I Mudie, MD:** None;

**Ritika Mullick, MBBS:** None;

**Rajeev H Muni MD:** Allergan: C,S; Bayer Healthcare Pharmaceuticals: C,S; Novartis, Alcon Pharmaceuticals: C,S

**Marion Ronit Munk, MD, PHD:** Allergan: L; Bayer: S,C; Gensight Therapeutics: C; Helbling: C; Isarna Therapeutics: C; Lumithera: C; Novartis: L,C; Zeiss: L,C

**Ann P Murchison, MD MPH:** GlaxoSmithKline: S; Merck & Co., Inc.: C

**Timothy G Murray, MD MBA:** None;

**Jonathan S Myers MD:** Aerie: C,L,S; Allergan, Inc.: C,L,S; Diopsys, Inc.: S; Glaukos Corporation: C,S; Haag-Streit Group: S; MicroOptx: C; Nicox: S; Olleyes: C,S; Santen, Inc.: S

**William G Myers MD:** Carl Zeiss Meditec: C; Leiter's Compounding Pharmacy: C

## N

**Vaibhav Amar Nagpal, MBBS:** None;

**Steven M Naidis, MD:** Allergan, Inc.: C; Bausch + Lomb: L; Eyevance: C

**Toru Nakazawa MD PHD:** Canon Inc.: S; Daiichi-Sankyo Co.,Ltd.: S; Kowa Co.,Ltd.: S; Nidek Co.,Ltd.: S; Rohto Pharmaceutical Co.,Ltd.: S; Santen Pharmaceutical Co.,Ltd.: C,L,S; Senju Pharmaceutical Co.,Ltd.: C,L,S; Tomey Corporation: S; Topcon Corp.: S; Wakamoto Pharmaceutical Co.,Ltd.: S

**Priya Narang MS:** None;

**Ashiyana Nariani, MD, MPH:** None;

**Orwa Nasser, MD:** None;

**Sundaram Natarajan MD:** None;

**Jerzy Nawrocki MD PhD:** None;

**Arvind Neelakantan MD:** Aerie Pharmaceuticals, Inc.: C,L; Allergan, Inc.: L; Bausch + Lomb: L

**Sarah M Nehls MD:** None;

**Christine C Nelson MD:** Horizon: C

**Peter Andreas Netland MD PhD:** PTC Therapeutics: S

**Nancy J Newman MD:** Chiesi: C; Gensight: C,S; National Eye Institute: S; NeuroPhoenix: C; Santhera: S; Stealth: C

**Paula Anne Newman-Casey MD:** None;

**Angeline M Nguyen, MD:** None;

**Huy V Nguyen, MD:** None;

**John Nguyen MD:** None;

**Lilian Nguyen, MD:** None;

**Quan Dong Nguyen MD:** AbbVie: C; Asclepix: C; Bayer Healthcare Pharmaceuticals: C; EyePoint: C; GENENTECH: C; Gilead Sciences: S; Mallinckrodt Pharmaceuticals: C; Regeneron Pharmaceuticals, Inc.: C; Santen, Inc.: C

**Quang H Nguyen MD:** Alcon Laboratories, Inc.: C,L; Allergan: L; Bausch+Lomb: C,L; Glaukos Corporation: C,L; Ivantis: C; Novartis Pharmaceuticals Corporation: C,L; Sight Sciences, Inc.: C,L

**Nina Ni, MD:** None;

**John H Niffenegger MD FACS:** None;

**Lisa Nijm MD, JD:** Akorn, Inc.: C; Allergan: C; Bruder Healthcare Company: C; EyePoint: C; Kala: C,L; LacriScience, LLC: C; MD Negotiation.com: O; Novartis, Alcon Pharmaceuticals: C,L; Ocular Therapeutix: C; Omeros Corporation: C; zeiss: C

**Kanwal K Nischal MBBS:** NEVAKAR: C; Zeiss: L

**Santaro Noguchi, MD:** None;

**Kouros Nouri-Mahdavi MD:** Aerie Pharmaceuticals, Inc.: C; Heidelberg Engineering: L,S

**Rudy Nuijts MD:** Alcon Laboratories, Inc.: C,L,S; Carl Zeiss Meditec: S; Johnson & Johnson: S; OPHTEC: L

**Maria X Nunez MD:** Alcon Laboratories, Inc.: C,L; Ziemer Ophthalmics AG: C

## O

**Jacquelyn A O'Banion, MD:** None;

**Julius T Oatts, MD:** None;

**Stephen A Obstbaum MD:** None;

**Thomas A Oetting MD:** None;

**Kyoko Ohno-Matsui MD:** Bayer Healthcare Pharmaceuticals: C; Santen, Inc.: C



**Toshihiko Ohta, MD:** None;

**Annabelle A Okada MD:** Abbvie: C; Alcon Pharma Japan: L; Allergan Japan: L; Astellas Japan: C; Bayer Healthcare Pharmaceuticals: C; Bayer Japan: L,S; Chugai Pharmaceutical Co., Ltd.: C; Daiichi-Sankyo: C; Hemera Biosciences: O; Mitsubishi Tanabe Pharma: S; Novartis Pharma Japan: C,L,S; Novartis Pharmaceuticals Corporation: C; Otsuka Pharmaceutical Co., Ltd.: L; Santen, Inc.: L,S; Senju Pharmaceutical Co.,Ltd.: C

**Armando L Oliver MD:** Allergan: L; Bristol-Myers-Squibb: O

**Carol Olvera:** None;

**Tushya Omparkash, MBBS, MS:** None;

**Tyler D Oostra, MD:** None;

**Anton Orlin MD:** Allergan: C; GENENTECH: C

**Stephen E Orlin MD:** None;

**Robert H Osher MD:** Bausch & Lomb Surgical: C; Beaver-Visitec International, Inc.: C; Carl Zeiss Meditec: C; EyePoint Pharmaceuticals: C; Microsurgical Technology: C; Omeros: C; SLACK: C; Video Journal of Cataract & Refrac Surg: O

**Yvonne Ou MD:** Zordera: C

**J Matthew Owens, ESQ:** None;

**Sengul C Ozdek MD:** Bayer Healthcare Pharmaceuticals: C; Novartis, Alcon Pharmaceuticals: C

## P

**Kirk H Packo MD:** Alcon Laboratories, Inc.: C; Allergan: S; Covalent Medical: O; US Retina: O

**Kaivon Pakzad-Vaezi, MD:** None;

**Ana Gabriela Palis MD:** None;

**Paul F Palmberg MD PhD:** Abbott Medical Optics: S; Aurolab (unpaid consultant): C; InnFocus, Inc.: C,L; Santen, Inc.: C,L

**David J Palmer MD:** None;

**Florentino E Palmon MD:** None;

**Carolyn K Pan MD:** Prescient Surgical: P,O

**Joseph F Panarelli MD:** Aerie: C,L; Allergan: C,L; CorneaGen: C; Glaukos Corporation: L; New World Medical Inc: C; Santen, Inc.: C

**Seth M Pantanelli, MD:** Alcon Laboratories, Inc.: L; Bausch + Lomb: C; Carl Zeiss Meditec: C,L

**Athanasios Papakostas, MD:** Alcon Laboratories, Inc.: C

**Alessandro Papayannis:** None;

**Regine S Pappas MD:** Aerie Pharmaceuticals, Inc.: L

**Alberto Pappo, MD:** Bayer: C; Debbio: C; LOXO Boehringer Ingelheim : C; MERCK: C

**Ki Ho Park MD, PhD:** Allergan: S; Santen, Inc.: S,C; Sensimed: C,S; Topcon: L,S

**Lisa Park MD:** None;

**Sung Chul Park, MD:** None;

**Susanna S Park MD PhD:** Allergan: S; Roche: S

**Rohit Om Parkash, MBBS, MS:** None;

**David W Parke II, MD:** OMIC-Ophthalmic Mutual Insurance Company: C

**David W Parke III MD:** GENENTECH: C; Vortex Surgical: P

**Gregory D Parkhurst MD:** Alcon Laboratories, Inc.: C; Johnson & Johnson Vision: C,L; STAAR Surgical: C,L; Zeiss Meditec: C,L

**Richard K Parrish II MD:** Aerie: C,O; Alimera Sciences : O; American Journal of Ophthalmology: C; Horus Ophthalmics, Inc: C,O

**Alpa S Patel MD:** None;

**Purnima S Patel MD:** None;

**Sanjay V Patel, MD, FRCOphth:** GlaxoSmithKline: C; Santen, Inc.: C; Senju Pharmaceutical Co.,Ltd.: C

**Sapna Patel, MD:** Merck & Co., Inc.: L

**Scott E Pautler MD:** Allergan: S; Chengdu Kanghong Biotech: S; GENENTECH: S; Hoffman La Roche, Ltd.: S

**Paula E Pecen, MD:** None;

**David E Pelayes MD:** Topcon Medical Systems Inc.: C

**Ron W Pelton MD PhD:** OMIC-Ophthalmic Mutual Insurance Company: C

**Kathryn L Pepple, MD, PHD:** National Eye Institute: S

**Victor L Perez MD:** Alcon Laboratories, Inc.: C,S; Aurina: C; Duke Eye Center: S; Eyegate Pharma: C,O; HanAll: C; Kala: C;



National Eye Institute: S; Novaliq: C; novartis: C; Quidel: C; Trefoil: C,O

**Jeff H Pettey, MD, MBA:** None;

**Margaret L Pfeiffer, MD:** None;

**Stephen C Pflugfelder MD:** Allergan: C,S; Immuneyez: O; Kala: C; Kowa: C; Santen: S; Senju: C

**Debra L Phairas:** None;

**Randal T Pham MD FACS:** Novartis Pharma AG: S; Vision Care Inc.: C

**Paul H Phillips MD:** None;

**Valerio Piccirillo, MD, PHD:** None;

**Francesco Pichi, MD:** None;

**Dante Pieramici MD:** adverum: C,S; apellis: S; gemini: C,S; GENENTECH: C,S; greybug: S; IONIS: S; KODIAC: S; NGM: S; Novartis Pharma AG: C,S; OPHTHEA: S; Regeneron Pharmaceuticals, Inc.: C,S; REGENX BIO: C,S; Stealth: S

**Stacy L Pineles MD:** None;

**Matteo Piovella MD:** AcuFocus, Inc.: L; Beaver-Visitec International, Inc.: L; Carl Zeiss Meditec: C,L; Johnson & Johnson Vision: C,L; TearScience: L,C

**Stephanie Lynn Pisano, OD:** None;

**Renelle Pointdujour Lim, MD:** None;

**John S Pollack MD:** Aldeyra: S; Allergan, Inc.: C; Covalent Medical: O; DORC International, bv/Dutch Ophthalmic, USA: C; GENENTECH: C,S; Graybug: C; jCyte: C; Neurotech Pharmaceuticals, Inc.: E,O; Notal Vision, Inc.: C,O; Regeneron Pharmaceuticals, Inc.: C; REGENXBIO: C; Santen: C; Vestrum Health: O

**Howard D Pomeranz MD PhD:** None;

**Marilyn Ponder, DBA:** None;

**Heather A D Potter MD:** None;

**Aditya Pradhan, MBBS:** Santen, Inc.: L

**S. Grace Prakalapakorn, MD, MPH:** Sanofi: C

**Gaurav Prakash, FRCS, MBBS:** None;

**Krishna Prasad:** None;

**Pradeep S Prasad, MD:** Alimera Sciences, Inc.: C; Allergan, Inc.: S; GENENTECH: C

**Jonathan L Prenner MD:** Alcon Laboratories, Inc.: C; Novartis Pharma AG: C; Regeneron Pharmaceuticals, Inc.: C

**Christina R Prescott MD:** Johnson & Johnson Vision: C

**Francis W Price Jr MD:** Aerie Pharmaceuticals, Inc.: S; Alcon Laboratories, Inc.: C; Allergan, Inc.: S; EyePoint Pharmaceuticals: C; Gebauer: C; Haag-Streit: C; RxSight: O; STAAR Surgical: C; Strathspey Crown, LLC: O

**Siegfried Priglinger MD:** None;

**Jose S Pulido MD MS:** Lagen: O,P

**Karim G Punja MD:** Alcon Canada Inc.: C; Allergan: C; Clarion Medical Technologies: C

**Fairooz Puthiyapurayil Manjandavida, MD:** None;

## Q

**Ann V Quan, MD:** None;

**Giuseppe Querques, MD:** Alimera Sciences, Inc.: C; Allergan: C; Amgen: C; Bayer Healthcare Pharmaceuticals: C; Centervue, Inc.: C; Heidelberg Engineering: C; Hoffman La Roche, Ltd.: C; KBH: C; Novartis Pharmaceuticals Corporation: C; Sandoz: C; Sooft/Fidia: C; Topcon Medical Systems Inc.: C; Zeiss: C

**Peter A Quiros MD:** regenera: S; RPB: S

## R

**Aleksandra V Rachitskaya MD:** Alcon Laboratories, Inc.: C; Allergan: C; Novartis Pharma AG: L; Zeiss: C

**Nathan M Radcliffe MD:** Aerie Pharmaceuticals: C; Alcon Laboratories, Inc.: C,L; Alimera Sciences, Inc.: C,L; Allergan: C,L; Bausch+Lomb: C,L; Beaver-Visitec International, Inc.: C; Carl Zeiss Meditec: C; CATS: C,O; Ellex: C,L; Equinox: C,O; Eyepoint: C; Glaukos Corporation: C,L; IRIDEX: C,L; Ivantis: C; Lumenis, Inc.: C,L; New World Medical Inc: C,L; Novartis Pharma AG: C,L; Ocular Science: C,O; Omeros Corporation: C; Reichert, Inc.: C,L; Santen, Inc.: C; Shire: C; Sight Sciences: C; THEA: C; ViaLase: C

**Sunita Radhakrishnan MD:** Netra Systems, Inc: C,O

**Ehsan Rahimy, MD:** Allergan: C; Apellis: C; Carl Zeiss Inc: C; Google: C; Regeneron Pharmaceuticals, Inc.: C,L

**Fatemeh Rajaii MD:** Horizon: C,O

**Mohan Rajan MD MBBS:** None;  
**Leela V Raju MD:** Allergan: C; RPS: O  
**Muralidhar Ramappa, MD:** None;  
**Jean E Ramsey, MD, MPH:** None;  
**J. Bradley Randleman MD:** None;  
**Jessica D Randolph MD:** None;  
**Naveen K Rao, MD:** Parexel: C; W.L. Gore Corporation: C  
**Prethy Rao, MD:** Vortex Surgical: P  
**Sara Burns Rapuano, MBA, OCS:** None;  
**Suryasnata Rath FRCS:** Springer Publications: P  
**S R Rathinam, MBBS, PHD:** None;  
**Russell W Read, MD, PHD:** None;  
**Ronald Luke Rebenitsch, MD:** Carl Zeiss Meditec: C; FDA Ophthalmic Devices Committee: C; LENSAR: L; STAAR Surgical: L  
**Harika Regani, MD:** None;  
**Carl D Regillo MD FACS:** Adverum: C,S; Alcon Laboratories, Inc.: C,S; Allergan: C,S; GENENTECH: C,S; Kodiak: C,S; Merck & Co., Inc.: C; Notal Vision, Inc.: C,S; Novartis Pharmaceuticals Corporation: C,S; Regeneron Pharmaceuticals, Inc.: S  
**Max Reiboldt:** None;  
**Dan Z Reinstein MD:** Arcscan Inc, Morrison, Colorado: O,P; Carl Zeiss Meditec: C; Optimo Medical AG: C  
**Bibiana J Reiser MD:** Bausch + Lomb: C,S; OPHTEC: S  
**Michael X Repka, MD, MBA:** American Academy of Ophthalmology: S; National Eye Institute: S  
**Rajaraman Revathi, MBBS:** None;  
**Kourous Rezaei MD:** Alcon Laboratories, Inc.: C; BMC: C; IVERIC bio: E,O  
**Douglas J Rhee MD:** Aerie: C,L,O; Alcon Laboratories, Inc.: C; Allergan, Inc.: C,S; Bausch + Lomb: L; Glaukos Corporation: S; Ivantis: S,C,L; Ocular Therapeutix: C  
**Anne T Riddering, PHD:** None;  
**Christopher D Riemann MD:** Aerepio: S; Alcon Laboratories, Inc.: C,L,S; Alimera Sciences, Inc.: C,L; Allergan: L,S; Animal Eye Institute: C; Aniridia Foundation International: C; Bausch + Lomb: C,L; BMC / Eyetube: C; Clovernook Center for the Blind and Visually Impaired: C; CSTLII: L; CVP (CEI Vision Partners): E,O; Digital Surgery Systems: O; GENENTECH: S; Gore: C; Haag Streit USA: C; Haag-Streit Surgical GmbH: C,L; HumanOptics AG: C; lamC2: C,P; iVeena: O; Johnson : C,P; Kaleidoscope: C; Lineage/BioTime: C,S; Macor Industries: C,O; MedOne Surgical: C,P; Northmark Pharmacy: O; Notal Vision, Inc.: C; Novartis Pharma AG: L; Orbit Biomedical: C; Regeneron Pharmaceuticals, Inc.: S; Reliance Medical Products : C; TrueVision Systems: C,O; VEO: O; Vortex Surgical: C,O,P  
**Lana M Rifkin, MD:** Abbvie: L; Bausch + Lomb: C; Eyepoint: C  
**Pukhraj P Rishi, MD:** None;  
**Robert Ritch MD FACS:** C-MER: C; Diopsys, Inc.: C; Emerald Bioscience Inc.: C; Glauconix, Inc.: C; Guardion Health Sciences: C,P; Intelon Optics: C; Ocular Instruments, Inc.: P; Sanoculis: C; Sensimed: C; Xoma: C  
**Allison E Rizzuti, MD:** None;  
**Jose A Roca, MD:** Alcon: L; Allergan: L; Quantel: L  
**Eduardo B Rodrigues MD:** None;  
**Sarah Hilkert Rodriguez, MD:** None;  
**Kelsey Andrea Roelofs, MD:** None;  
**Prin Rojanapongpun, MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,L; Carl Zeiss Inc: L; Hoya: S; Johnson & Johnson Vision: L; Santen, Inc.: C,L; SwissMed: L  
**Maria S Romero, MD:** None;  
**Daniel B Rootman MD MSc:** horizon: C  
**Gerald J Roper MD:** Carl Zeiss Meditec: C,L; InMode Ltd: O; Regeneron Pharmaceuticals, Inc.: O  
**Jullia A Rosdahl, MD PHD:** Locus Biosciences: E  
**Jennifer R Rose-Nussbaumer MD:** None;  
**Richard B Rosen MD:** Astellas: C; Boehringer Ingelheim: C; CellView: C; GENENTECH: S; Guardion Health: C,O; Nano Retina: C; OD-OS: C; Opticology: O; Optovue: C,P; Regeneron Pharmaceuticals, Inc.: C; Teva: C  
**Eric D Rosenberg, DO:** Alcon Laboratories, Inc.: C; Glaukos Corporation: C  
**Steven I Rosenfeld MD FACS:** Blue Sea Capital: C; InFocus Capital: C; Modernizing Medicine: C; NovaBay: C  
**Robin D Ross, MD, MPH:** Horizon Therapeutics: C; Modernizing Medicine: C

**Andres M Rousselot Ascarza, MD:** None;

**Jonathan B Rubenstein MD:** Novartis, Alcon Pharmaceuticals: C

**Steven E Rubin MD:** None;

**Tina Rutar MD:** Sydnexis: S

**Paul Joseph Rychwalski MD:** None;

## S

**Bernhard Sabel, MD:** SAVIR GmbH: O,C

**Srinivas R Satta MD:** 4DMT: C; Allergan: C; Amgen: C; Carl Zeiss Meditec: C,S; Centervue: C; GENENTECH: C; Heidelberg Engineering: C,L,S; Merck & Co., Inc.: C; Nidek: L; Novartis Pharma AG: C,L; Optos, Inc.: C; Regeneron Pharmaceuticals, Inc.: C; ThromboGenics, Inc.: C; Topcon Medical Systems Inc.: L

**Alfredo A Sadun, MD, PHD:** Gensight: S; Stealth Bio: S

**Hajirah N Saeed, MD:** None;

**Steven G Safran MD:** Bausch + Lomb: L; Ellman, A Cynosure Company: C; Johnson & Johnson: L

**Mandeep S Sagoo MBBChir PhD:** None;

**Dalia Said, MD:** None;

**Arvind Saini, MD, MBA:** None;

**Sarwat Salim, MD:** Aerie Pharmaceuticals, Inc.: C,L; Bausch + Lomb: L

**Ahmed A Sallam MBBCh:** None;

**Raminder K Saluja MD:** AMPS: L; BTL: L; Cartessa: L,C; Cynosure, Inc.: C,L

**John R Samples MD:** Aerie Pharmaceuticals, Inc.: L; aleyegn: C,P; Allergan, Inc.: C,L; Bausch + Lomb: C,L; Eyegenetix: C,P; Kugler Publications: C; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: C,L; SLACK Incorporated: C,L

**Brian C Samuels MD, PhD:** None;

**Thomas W Samuelson MD:** Aerie Pharmaceuticals: C; Alcon Surgical: C; AMO (Abbott Medical Optics): C; AqueSys/Allergan: C; Bausch & Lomb/Valeant: C; Belkin Laser Inc.: C; Equinox: C,O; Glaukos Corporation: C; Ivantis: C,O; Ocuphire: C; Santen: C; Shire: C; Sight Sciences, Inc.: C,O; TearClear: C,O

**Reginald J Sanders MD:** Allergan, Inc.: C

**Virender S Sangwan MBBS:** None;

**Marcony R Santhiago, MD:** Alcon Laboratories, Inc.: C,L; ziemer: C

**Steven R Sarkisian, MD:** Alcon Laboratories, Inc.: C,L,S; Allergan: C,L,S; Bausch + Lomb: C,L; Beaver-Visitec International, Inc.: C; Glaukos Corporation: C,S; Katena Products, Inc.: C; Ocular Science: C,O; Omeros: C; Santen, Inc.: C; Sight Sciences, Inc.: C,O,S

**David Sarraf MD:** Amgen: C; Bayer Healthcare Pharmaceuticals: L; GENENTECH: C,S; Heidelberg Engineering: S; Novartis Pharmaceuticals Corporation: L; Optovue: C,S,L; Regeneron Pharmaceuticals, Inc.: S; Topcon Medical Systems Inc.: S

**Erika B Saucedo-Sanchez MD:** None;

**Lydia Sauer, MD:** Novartis Pharma AG: C; Tesseract: C

**Aaron M Savar MD:** None;

**Louis Savar MD:** None;

**Giacomo Savini:** Alcon Laboratories, Inc.: C; Carl Zeiss Meditec: L; Oculus, Inc.: L

**Seang-Mei Saw MBBS PHD:** None;

**Mohamed Sayed Kamel Sayed MD:** None;

**Richard L Scawn MBBS:** None;

**Shlomit Schaal MD, PhD:** None;

**Julie M Schallhorn, MD:** Carl Zeiss Meditec: C; Long Bridge: O; Stroma: O; Vanda: C

**Amy C Scheffler MD:** Allergan: C; Aura Biosciences: S,C; Castle Biosciences: S,C; GENENTECH: C,S; Regeneron Pharmaceuticals, Inc.: S

**Adam J Scheiner MD:** Sciton: C,L

**Dianne M Schlachter MD:** Horizon Therapeutics: L,C

**Ursula M Schmidt-Erfurth MD:** GENENTECH: C; Heidelberg Engineering: C; Kodiak: C; Novartis Pharma AG: C; RetInSight: C; Roche Diagnostics: C

**Etienne Schonbach MD:** Foundation Fighting Blindness: S; German Academy of Sciences Leopoldina: S

**Jeffrey S Schultz MD:** None;

**Joel S Schuman MD:** Aerie Pharmaceuticals, Inc.: C; BrightFocus Foundation: S; Carl Zeiss Meditec: P; National Eye Institute: S;

Ocugenix: O,P; Ocular Therapeutix, Inc.: C; Opticent: C,O; SLACK Incorporated: C  
**Gary S Schwartz MD:** Associated Eye Care Holding Company, PLLC: O; Associated Eye Care Partners, LLC: O  
**Steven D Schwartz MD:** Astellas: S; Broad Center for Regenerative Medicine, UCLA: S; California Institute of Regenerative Medicine: S; Nidek, Inc.: S; Nikon: S; University of California at Los Angeles: E; Verana Health: O  
**Adrienne Williams Scott MD:** Allergan: C; GENENTECH: C; Novartis Pharma AG: C  
**Jonathan E Sears MD:** None;  
**Johanna M Seddon MD:** Gemini Therapeutics: O; THEA: C  
**Leonard K Seibold MD:** New World Medical Inc: C; Sensimed: C  
**Theo Guenter Seiler, MD:** None;  
**Theo Seiler MD PhD:** None;  
**William Seiple PhD:** None;  
**Gerami D Seitzman MD:** dompe: C  
**Harathy Selvan Jr MD:** None;  
**Hatice N Sen MD:** None;  
**Mrittika Sen, MD:** None;  
**Janet B Serle MD:** Aerie Pharmaceuticals, Inc.: C,L; Allergan, Inc.: C; Bausch + Lomb: C,L; Qlaris: C  
**Pete Setabutr MD:** None;  
**Ankoo R Shah MD:** Novartis Pharma AG: C; Ocular Therapeutix: C  
**Ankoo S Shah MD, PhD:** Medtronic: O; Pfizer, Inc.: O; Rebisca, LLC: P  
**Avni A Shah, MD:** None;  
**Chirag P Shah MD MPH:** Alcon Laboratories, Inc.: S; Ellex: S; GENENTECH: S; National Eye Institute: S; Regeneron Pharmaceuticals, Inc.: S  
**Gaurav K Shah MD:** Allergan, Inc.: C,S,L; DORC International: S; OMIC-Ophthalmic Mutual Insurance Company: C; Regeneron Pharmaceuticals, Inc.: C,L,S  
**Hassan A Shah MD:** None;  
**Manjool M Shah, MD:** Allergan: C; Glaukos Corporation: C; Katena Products, Inc: C  
**Rupal S Shah MD:** Carl Zeiss Meditec: C  
**Akbar Shakoor MD:** None;  
**H. John Shamma, MD:** Alcon Laboratories, Inc.: S  
**Jessica G Shantha, MD:** None;  
**Shakeel R Shareef MD:** None;  
**Namrata Sharma MD MBBS:** None;  
**Sanjita Sharma, MBBS:** None;  
**Savitri Sharma MD:** None;  
**Sumit Sharma, MD:** Alimera Sciences, Inc.: C; Allergan: C,S; Bausch + Lomb: C; Clearside: C; Eyepoint: C,S; Genentech/Roche: C,S; Gilead Sciences: S; Ionis: S; Regeneron Pharmaceuticals, Inc.: C,S; Santen, Inc.: S  
**Claire A Sheldon MD PhD:** None;  
**Joanne F Shen MD:** National Eye Institute: S  
**Arsham Sheybani, MD:** Allergan, Inc.: C; Glaukos Corporation: C; Ivantis: C; Santen, Inc.: C  
**Christine Shieh, MD:** None;  
**Carol L Shields MD:** Aura Biosciences Inc and Immunocore Inc: C  
**Jerry A Shields MD:** None;  
**Kenneth S Shindler MD PhD:** FM Kirby Foundation: S; National Eye Institute: S; Noveome Biotherapeutics, Inc.: C,S; RPB: S; UpToDate: P  
**Eric J Shiuey, MS:** None;  
**Neal H Shorstein MD:** None;  
**Erin M Shriver MD:** None;  
**Roni M Shtein MD:** None;  
**Aakriti Garg Shukla, MD:** Allergan, Inc.: S  
**R Michael Siatkowski MD:** National Eye Institute: S  
**Paul A Sidoti MD:** None;



**Jakob Siedlecki, MD:** Allergan, Inc.: L,C; Bayer Healthcare Pharmaceuticals: C; Carl Zeiss Meditec: L; Novartis Pharma AG: L,C

**Carla J Siegfried MD:** Allergan, Inc.: C; National Eye Institute: S

**Michael A Singer MD:** aerpio: C,S; Aestelis: S; Alimera Sciences, Inc.: S; Allergan: C,L,S; ampio: C,L,S; clearside: C,S; GENENTECH: C,L,S; guidepoint: C; kodiak: C; Mallinckrodt Pharmaceuticals: L; Novartis Pharma AG: C,S; Optos, Inc.: S; psivida: C; Regeneron Pharmaceuticals, Inc.: L,S; Santen, Inc.: C; Spark Therapeutics, Inc.: C

**Lawrence J Singerman MD:** Alcon Laboratories, Inc.: S; Alkeus: S; Allergan, Inc.: S; Apellis: S; Chengdu: S; GENENTECH: S; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: S; Roche: S

**Ankur Singh Sr MBBS MS:** None;

**Arun D Singh MD:** Aura Biosciences: C,O; Eckert and Zeigler: L; Immunocore: C; Isoaid LLC: C

**Jasleen K Singh, MD:** None;

**Kuldev Singh MD MPH:** Aerpio: C; Alcon Laboratories, Inc.: C; Allergan: C; Belkin Laser Ltd: C; Glaukos Corporation: C; Graybug: C; InjectSense: C; Ivantis: C; Johnson & Johnson: C; Mynosys: C; National Eye Institute: S; Novartis Pharma AG: C; Ocular Therapeutix, Inc.: C; Oculis: C; Radiance Therapeutics: C; Regenexbio: C; Santen, Inc.: C; Sight Sciences, Inc.: C; Thieme Medical Publishers: C; U.S. Food and Drug Administration: C,S

**Rishi P Singh MD:** Apellis: S; Bausch + Lomb: C; GENENTECH: C; Novartis: C; Ophthea: C; Optos, Inc.: C; Regeneron Pharmaceuticals, Inc.: C; Zeiss: C

**Simar R Singh, MBBS:** None;

**Rajesh Sinha, MD, FRCS:** None;

**Shivaji Sisinthy, Sr, ScD:** None;

**Jennifer A. Sivak, MD:** None;

**Sobha Sivaprasad MBBS FRCS:** Apellis: C; Bayer Healthcare Pharmaceuticals: C,L,S; boehringer Ingelheim: C; Heidelberg Engineering: C; Novartis Pharma AG: C,L; oculis: C; Optos, Inc.: C,S

**Alison H Skalet MD PhD:** American Association for Cancer Research, Ocular Melanoma Foundation: S; Castle Biosciences: C; Immunocore: C; Medical Research Foundation: S; melanoma research foundation: S

**Dimitra Skondra MD:** Alimera Sciences, Inc.: C; Allergan, Inc.: C; Biogen Inc: C

**Stephen G Slade MD FACS:** alcon: C; Glaukos: C; J&J: C; RxSight: O; Zeiss: C

**Bradley T. Smith, MD:** None;

**Justine R Smith MD:** Flinders Foundation (Australia): S; NHMRC (Australia): S; ORIA (Australia): S

**Oluwatosin U Smith MD:** Aerie Pharmaceuticals, Inc.: C,L; Allergan Medical Affairs: C; Allergan: C,L,S; Bausch + Lomb: L,C; Glaukos Corporation: C; IRIDEX: C; New World Medical Inc: C

**R Theodore Smith MD:** Astellas: C; macregen: C,O

**Wendy M Smith MD:** None;

**Scott R Sneed MD:** None;

**Michael E Snyder MD:** Alcon Laboratories, Inc.: S; Bausch + Lomb: S; Epsilon EyeCare, USA: L; Glaukos Corporation: S; Haag-Streit USA: C; HumanOptics: C,P; Johnson & Johnson Vision: S; Physiol: S; VEO Ophthalmics: O; W. L. Gore: C

**Rachel K Sobel MD:** None;

**Lucia Sobrin MD:** Novartis: C

**Elliott H Sohn MD:** None;

**Jason A Sokol MD:** Horizon: C

**Igors Solomatins, COE:** None;

**Sharon D Solomon MD:** None;

**Alfred Sommer MD MHS:** None;

**Malhar Soni, MD MS DNB FRCS:** None;

**Priyanka Sood MD:** None;

**Sarkis H Soukiasian MD:** None;

**Richard F Spaide MD:** Bayer Healthcare Pharmaceuticals: C; DORC International, bv/Dutch Ophthalmic, USA: P; GENENTECH: C; Heidelberg Engineering: C; Regeneron Pharmaceuticals, Inc.: C; Roche Diagnostics: C; Topcon Medical Systems Inc: C,P

**Samuel C Spalding MD:** Aerpio: S; Alcon Laboratories, Inc.: S; Allergan: S; GENENTECH: S; Hoffman La Roche, Ltd.: S; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: S; OHR: S; Ophthotec: S; Regeneron Pharmaceuticals, Inc.: S

**Jayanth S Sridhar, MD:** Alcon Laboratories, Inc.: C; Allergan, Inc.: C; DORC International, bv/Dutch Ophthalmic, USA: C; Regeneron Pharmaceuticals, Inc.: C

**Divya Srikumaran MD:** Alcon Laboratories, Inc.: C; National Eye Institute: S

**Sathish Srinivasan, MBBS:** AcuFocus, Inc.: C; Alcon Laboratories, Inc.: C; Bausch Lomb: C; DORC International, bv/Dutch Ophthalmic, USA: C; Medicontur: C; Scope Ophthalmics: C; THEA: L

**Sunil K Srivastava MD:** Allergan: C,S; Bausch + Lomb: C,S; Carl Zeiss Inc: C; clearside: C; Gilead Sciences: C; Novartis Pharma AG: C; Optos, Inc.: C; psivida: C; Regeneron Pharmaceuticals, Inc.: C; Santen, Inc.: C,S

**Andrew W Stacey, MD:** Immunocore: C

**Erin D Stahl MD:** Avedro, Inc.: C; Treehouse Health: C,O

**Jason E Stahl MD:** None;

**Paulo E Stanga MD:** Apellis: S,C; Canon Medical Systems Europe: S,C; Carl Zeiss Meditec AG: C,L,S; Gyroscope Therapeutics Limited: C,S; IvericBio: C,S; Keeler Instruments, Inc.: C,S; Lumithera: S,C; Maculogix: S; Optos plc: C,L,S; Quantel Medical: S,C

**Giovanni Staurenghi MD:** Abbvie: C; Apellis: C; Astellas: C; Bayer Healthcare Pharmaceuticals: C; Boehringer: C; Carl Zeiss Meditec: L,S; Centervue: C,L,S; Chengdu Kanghong Biotechnology Co: C; GENENTECH: C; Heidelberg Engineering: C,L,S; Hoffman La Roche, Ltd.: C,L,S; Kyoto Drug Discovery & Development Co: C; Nidek, Inc.: L,S; Novartis Pharmaceuticals Corporation: C,L,S; Ocular Instruments Inc: P; Optos, Inc.: C,S; Optovue, Inc.: S; Quantel Medical: S

**Walter A Steigleman, MD:** None;

**Joshua D Stein, MD, MS:** None;

**Kimberly E Stepien MD:** AGTC: S; atsena: C; Foundation Fighting Blindness: S; nightstar: C,S; Spotlight Therapeutics: C

**Paul Sternberg Jr., MD:** Bridgebio: C; Diabetic Retinopathy Clinical Research Network: C; International Retinal Research Foundation: C

**Aleksandar Stojanovic MD:** None;

**Donald Stone MD:** None;

**Diego Strianese, MD, PHD:** None;

**Yi Ning Strube MS, MD, FRCSC:** American Academy of Pediatrics: P; Oxford University Press, Springer Publishing: P; Santen, Inc.: C

**Prem S Subramanian MD PhD:** GenSight Biologics: C,S; Horizon Pharmaceuticals: C; Invex Therapeutics: C; Quark Pharmaceuticals: S; Santhera Pharmaceuticals: S

**Donny Won Suh, MD:** NIH: S

**Eric B Suhler, MD, MPH:** AbbVie: C,L,S; EyePoint (pSivida): C,S; Eyevensys: C,S; Gilead Sciences: C,S

**Timothy J Sullivan MBBS:** None;

**Grace Sun, MD:** None;

**Jennifer K Sun MD:** Adaptive Sensory Technology: S; Boehringer Ingelheim: S; Boston Micromachines: S; JAMA Ophthalmology: E; Kalvista: S; Novartis Pharmaceuticals Corporation: C; Novo Nordisk: C,S; Optovue: S; Roche: C,S

**Gangadhara J K Sundar, MBBS:** None;

**Aneesh Suneja, MBA:** FlowOne Lean Consulting, LLC: C

**Russell J Swan, MD:** Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Avedro, Inc.: L; Equinox: C,O; ExpertOpinion: C; Eyegate Pharmaceuticals, Inc.: C; Glaukos Corporation: C

**Zeba A Syed, MD:** Bio-Tissue, Inc.: L

## T

**Geoffrey C Tabin MD:** None;

**Ramin Tadayoni, MD, PHD:** Alcon Laboratories, Inc.: C; Allergan: C; Bausch + Lomb: C; Bayer Healthcare Pharmaceuticals: C; Carl Zeiss Meditec: C; Chibret International: C; GENENTECH: C; Hoffman La Roche, Ltd.: C; MORIA: C; Novartis, Alcon Pharmaceuticals: C; Oculis: C; ThromboGenics, Inc.: C

**Katherine E Talcott, MD:** GENENTECH: C; zeiss: S

**Audrey R Talley Rostov, MD:** Alcon Laboratories, Inc.: C; Allergan: C,L; Avedro, Inc.: C; Bausch + Lomb: C; CorneaGen: L; Dompe: C; Eye Vance: C; Kala: C; LENSAR: C; Sightlife: C,S; SUN: C; Zeiss: C

**Gustavo E Tamayo MD:** Avedro Corp.: C; Johnson and Johnson Vision: C,S; KeraMed, Inc.: C

**Madhura A Tamhankar MD:** None;

**Donald Tan MD FRCS FRCOphth:** Carl Zeiss Inc: C; Eye Lens: C; Network Medical: P; Santen Inc: S; Santen, Inc.: C,L

**George H Tanaka MD:** Aerie Pharmaceuticals, Inc.: L; Allergan: C,L; Sight Sciences, Inc.: L

**Radhika Tandon, MD:** None;

**Angelo P Tanna MD:** Bausch+Lomb: C; Carl Zeiss Meditec: C; Google: S; Illinois Society for the Prevention of Blindness: S; Ivantis, Inc.: C

**Marie Jose Tassignon, MD:** Morcher GmbH: P; THEA: L; Zimmer: C

**James D N Taylor MD:** None;

**Nasrin N Tehrani MBBCh:** Abbvie: L

**Joshua C Teichman, MD, MPH:** Alcon Laboratories, Inc.: C; Allergan: C; Bausch + Lomb: S; Latician Ophthalmics, Inc.: C; Santen, Inc.: C; Shire: C

**Celso Tello MD:** None;

**Christopher C Teng MD:** None;

**Hiroko Terasaki MD:** Abbvie: L; Alcon Japan: L,S; AMO: L,S; Bayer Healthcare Pharmaceuticals: L,S; Carl Zeiss Meditec: L,C; Kowa: L,S; Novartis Pharma AG: S,L; Otsuka: L,S; Santen: L,S; Senju: L,S; Wakamoto: L,S

**Clement C Y Tham, FRCS, MBBS, FCOPHTHK:** Abbott Medical Optics Inc.: S; Aeon Astron Corporation: S; Alcon Laboratories, Inc.: C,L,S; Allergan, Inc.: C; Bausch Lomb: C; C-MER EYE CARE HOLDINGS LIMITED: C; Icare Finland: S; IOptima Ltd: C; Merck & Co., Inc.: C,L; Novartis Pharmaceuticals (HK) Ltd: C; Pfizer, Inc.: C,L,S; Santen Pharmaceutical Co., Ltd.: C,L,S; Sensimed: C,S

**Cassandra Lee Thiel, PHD:** Stryker Corp/Medical Division: C

**John T Thompson MD:** EHR Command Center, LLC: O; GENENTECH: S; Ocutrx Vision Technologies, LLC: O; Opthea: S

**Lisa S Thompson MD:** None;

**Vance Michael Thompson MD:** AcuFocus, Inc.: C,L,O; Alcon Laboratories, Inc.: C,L; Allergan: C; Allotex: C,O; Avellino Labs: C,O; Bausch+Lomb: C; BRIM Biotechnology, Inc: C; C.S.O. Srl: C; Carl Zeiss Inc: C; Conjtec: C,O; Equinox: C,O; Euclid Systems: C,L,O; Expert Opinion: C,O; eyeBrain Medical Inc: C,O; Eyedetec: C,O; Eyegate Pharma: C,O; Forsight Robotics: C,O; Glaukos Corporation: C,L; Healthe: C,L,O; Imprimis: C; iVeena: C,O; Johnson & Johnson Vision: C,L; Melt Pharmaceuticals: C,O; Mynosys: C,L,O; Novaliq: C; Ocular Innovations: C,O; OneFocus: C; OPHTEC: C; ORA: C; Oyster Point Pharma: C,O; Percept: C,O; Precision Lens: C; Refocus Group: C; RxSight: C,O; Sight Sciences, Inc.: C,O; Stuart Therapeutics: C,O; Tarsus Rx: C,O; TearClear: C,O; TherOptix: C,O; ThruFocus: C; Treehouse Health: C,O; Veracity: C,O; Viewpoint Therapeutics: C; Visant: C,O; Visiometrics, S.L.: C; Vivior AG: C,O

**Jennifer E Thorne MD PhD:** AbbVie: C; Allergan: S; Clearside: C; Gilead Sciences: C; National Eye Institute: S; Santen: C

**Peter J Timoney MBBCh:** None;

**Daniel Shu Wei Ting, MD, PHD:** EyRIS, Singapore: P; Novartis Pharma AG: C

**Richard Tipperman MD:** Alcon Laboratories, Inc.: C

**Andrew Tirsi, MD:** Diopsys, Inc.: S

**Jeewan S Titiyal MD:** None;

**Andrea A Tooley, MD:** None;

**Cynthia A Toth MD:** Alcon Laboratories, Inc.: P; EMMES: C; Hemosonics, LLC: P; National Eye Institute: S; Theia Imaging, LLC: O

**Jose L Tovilla-Canales, MD:** None;

**Justin H Townsend, MD:** None;

**Michael T Trese MD:** Interview medical systems: O,P; Phoenix Clinical Technologies: C,O; Regeneron Pharmaceuticals, Inc.: C; Retinal Solutions: O,P; Verana Health: C,O

**Danielle Trief, MD:** None;

**Karmen M Trzupsek MS:** AGTC: C; Editas Medicine: C; Foundation Fighting Blindness: C; InformedDNA: E

**James C Tsai, MD, MBA:** EyeNovia: C; ReNetX Bio: C

**Linda M Tsai MD:** None;

**Edmund Tsui, MD:** Kowa Company, Ltd: S

**Irena Tsui MD:** Alimera Sciences, Inc.: C

**Elmer Y Tu MD:** Dompe: C; Eversight: E,S; Eye Bank Association of America: S; Kedrion: C; Okogen: C

**William R Tucker, BMBS:** Allergan, Inc.: L

**Sonal S Tuli MD:** None;

**Lawrence Tychsen MD:** None;

## U

**Madhu Uddaraju MS:** None;

**Harvey S Uy MD:** Alcon Laboratories, Inc.: L; Allergan: C,L,S; Bayer Healthcare Pharmaceuticals: L; Infinite Vision Optics: S; LensAR: L,S; Novartis Pharmaceuticals Corporation: C,L

## V

**Rasik B Vajpayee MD:** None;

**Lejla Vajzovic, MD:** Aerie Pharmaceuticals, Inc.: L; Alcon Laboratories, Inc.: C,S; Alimera Sciences, Inc.: C; Allergan, Inc.: C; Bausch + Lomb: C; DORC International, bv/Dutch Ophthalmic, USA: C; Evolve medical education: L; GENENTECH: C; Heidelberg Engineering: S; Orbit Biomedical Inc.: C,S; Second Sight Medical Products, Inc.: S



**Russell N Van Gelder MD PhD:** None;  
**Woodford S Van Meter MD FACS:** None;  
**Gregory P Van Stavern MD:** None;  
**Sarah Van Tassel, MD:** Aerie Pharmaceuticals, Inc.: C; Allergan, Inc.: C; Equinox: C; New World Medical Inc: C  
**Murugesan Vanathi, MD:** None;  
**Brian L VanderBeek MD MPH:** National Eye Institute: S  
**Deborah K VanderVeen MD:** OPHTEC: S; Retrophin: S  
**Michael S Vaphiades DO:** None;  
**Devesh K Varma MD:** Aerie Pharmaceuticals, Inc.: C; Allergan, Inc.: C,L; Bausch + Lomb: C; Glaukos Corporation: C; Johnson & Johnson Vision: C,L; Latician Ophthalmics Inc: C,L; Novartis, Alcon Pharmaceuticals: C,L,S; Santen, Inc.: C; Vizzario: C,O  
**Abhay Raghukant Vasavada MBBS FRCS:** Alcon Laboratories, Inc.: S  
**Daniel V Vasconcelos-Santos MD PhD:** None;  
**Demetrios Vavvas MD:** OliX: C; VALITOR: O  
**Federico G Velez MD:** Luminopia: S; Nevakar: C; Novartis: C  
**Swapna Vemuri MD:** None;  
**Rengaraj Venkatesh, MBBS:** None;  
**Nandini Venkateswaran, MD:** None;  
**David D Verdier MD:** None;  
**Sue J Vicchilli, COT, OCS, OCSR:** None;  
**Ana Carolina Victoria MD:** Candela Medical: C  
**Kateki Vinod, MD:** None;  
**Gianni Virgili, MD:** None;  
**Sunny Virmani:** Google Inc, LLC: E,O  
**Albert T Vitale MD:** Hoffman La Roche, Ltd.: C  
**Nicholas J Volpe MD:** Ophotech: C; Opticent Inc.: O  
**Robin A Vora MD:** None;  
**John Allan Vukich MD:** AcuFocus, Inc.: C; Carl Zeiss Inc: C; Johnson & Johnson: C; STAAR Surgical: C

## W

**Katrin Wacker, MD:** ProQR Therapeutics: C  
**Maureen Waddle, MBA:** BSM Consulting: C  
**Michelle Wagner, COA:** None;  
**Nadia Khalida Waheed MD:** Alkahest: C; Bayer Healthcare Pharmaceuticals: S; Carl Zeiss Meditec: C,S; GENENTECH: C; Gyroscope: E,O; Heidelberg Engineering: C; Nidek, Inc.: S; OcuDyne: O; Regeneron Pharmaceuticals, Inc.: C,S; Topcon Medical Systems Inc.: C  
**David K Wallace MD MPH:** FocusROP: P; National Eye Institute: S  
**Avi Wallerstein MD:** None;  
**Kelly Walton Muir MD:** None;  
**Jenny Wang, MD:** None;  
**Jing Wang MD:** Allergan: C; Latician Ophthalmics, Inc.: L; Santen, Inc.: L  
**Min Wang MD:** None;  
**Ningli Wang, MD:** None;  
**Nattawut Wanumkarng MD:** None;  
**George O Waring IV MD:** ACE Vision: C; AcuFocus, Inc.: C,L; Alcon Laboratories, Inc.: C,L; Allergan: C,L; Allotex: C; Avedro: C,L; Bausch Lomb: C,L; GlassesOff: C; Glaukos Corporation: C,L; Ivantis: C; Johnson & Johnson Vision: C,L; novartis: C; Oculus, Inc.: C,L; Omega Ophthalmics: C; Omeros: C; OptoQuest: C; Perfect Lens, LLC: C; Refocus Group, Inc.: C; Riechert: C; Shire: C; Sight Sciences, Inc.: C; SRD Vision: C; Strathpey Crown: O; Visiometrics: C,O; Zepto: C  
**Alison H Watson, MD:** None;  
**Evan L Waxman MD PhD:** None;  
**Daniel T Weaver MD:** None;  
**Eric D Weber MD:** None;



**Matthew C Weed, MD:** None;

**Mitchell P Weikert MD:** Alcon Laboratories, Inc.: C; Bausch + Lomb: C

**Natalie C Weil, MD:** None;

**Ezekiel Weis MD:** None;

**Robert W Weisenthal MD:** None;

**Sarah Brown Weissbart, MD:** None;

**Brian A Welcome MD:** Allergan, Inc.: L; BlueCross/BlueShield of South Carolina: C

**Sarah Wellik MD:** None;

**John A Wells III MD:** Adverum: C,S; GENENTECH: C,S; Iveric: S; Jaeb Center for Health Research: C,S; National Eye Institute: S; Neurotech: S; Optos, Inc.: S; Regeneron: S

**Joanne C Wen MD:** None;

**Christina Y Weng, MD, MBA:** Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan: C; DORC International, bv/Dutch Ophthalmic, USA: C; Novartis Pharma AG: C; Regeneron Pharmaceuticals, Inc.: C; REGENXBIO: C

**Sara T Wester MD:** Horizon Therapeutics: C

**Jeffrey Whitman MD OCS:** Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Bausch Lomb: C,L; Beaver-Visitec International, Inc.: C; eyeopoint pharmaceuticals: C; Glaukos: C; Ivantis: C; Johnson & Johnson Vision: C; STAAR Surgical: C,L

**Robert E Wiggins, MD, MHA:** OMIC-Ophthalmic Mutual Insurance Company: C

**David F Williams MD:** Covalent: O; Vestrum Health: O

**George A Williams, MD:** None;

**Ruth D Williams, MD:** None;

**David J Wilson MD:** None;

**Matthew W Wilson MD:** None;

**Edward J Wladis MD:** Bausch+Lomb: C; FuzeHub: S; Horizon Therapeutics: C,L; Johnson & Johnson: C; Lions Eye Foundation: S; Patent 62/332,690: P; Praxis Biotechnology: O; Valeant: C

**Meraf A Wolle, MD:** None;

**Chee Wai Wong:** None;

**Edmund Y M Wong MBBS:** None;

**Keye L Wong, MD:** None;

**Nathan J Wong MBBS:** None;

**Randall V Wong MD:** Medical Marketing Enterprises, LLC: O; Sunrise Hosting Services, LLC: O

**Tien Yin Wong MBBS:** Allergan Singapore Pte Ltd: C,L; Allergan, Inc.: C,L; Bayer Healthcare Company Limited: C,L,S; Bayer Healthcare Pharmaceuticals Inc.: C,L,S; Boehringer-Ingelheim: C; EyRIS Pte Ltd: O; GENENTECH: C,L,S; Merck & Co., Inc.: C; Novartis Pharma AG: C,L,S; Oxurion NV: C; Plano Pte Ltd: O; Roche Diagnostics: C,L,S; Samsung Bioepis: C,L

**Kyung In Woo MD:** None;

**Joy Woodke, COE, OCS, OCSR:** None;

**Julie A Woodward MD:** Allergan: C; Galderma: C; Merz: C,L; Prolenium: C; Skin Ceuticals: C; Stroma: O

**Fasika A Woreta MD:** None;

**Kenneth W Wright MD:** Titan Surgical: S

**Martha M Wright MD:** None;

**Gloria Wu MD:** None;

**Lihteh Wu, MD:** Bayer Health: C,L; Quantel Medical: C,L

**Pei-Chang Wu, MD, PHD:** None;

**Tamara Wygnanski-Jaffe MD:** Go Check Kids: C; NovaSight: C

**Charles C Wykoff, MD, PhD:** Acucela: C; Adverum Biotechnologies: C,S; Aerie Pharmaceuticals, Inc.: S; Alcon Laboratories, Inc.: C; Aldeyra: S; Alimera Sciences, Inc.: C; Allergan: C; Apellis Pharmaceuticals: C,S; Arctic Vision: C; Bausch + Lomb: C; Bayer Healthcare Pharmaceuticals: C; Bionic Vision Technologies: C; Boehringer Ingelheim: S; Chengdu Kanghong: C,S; Clearside Biomedical, Inc: C,S; Dutch Ophthalmic Research Center International: C; Gemini Therapeutics: S; GENENTECH: C,S; Graybug Vision: S; Gyroscope: C,S; IONIS Pharmaceuticals: S; Iveric Bio (formerly Ophthotech): C,S; Kodiak Sciences: C,S; LMRI: S; Merck & Co., Inc.: C; Neurotech: S; NGM Biopharmaceuticals: C,S; Novartis Pharmaceuticals Corporation: C,S; OccuRx: C; ONL Therapeutic: C; Opthea: C,S; Outlook Therapeutics: S; Oxurion: C; Palatin: C; PolyPhotonix: C; RecensMedical: C,S; Regeneron Pharmaceuticals, Inc.: C,L,S; Regenxbio: C,S; Roche: C,S; Santen, Inc.: S; Senju Pharmaceutical Co.,Ltd.: S; Taiwan Liposome Company: S; Takeda: C; Thea Open Innovation: C; Verana Health: C; Xbrane Biopharma: S

## Y

**Tetsuya Yamamoto MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C,L,S; Alcon Pharma: C,L; Allergan, Inc.: C; Astellas: C; Glaukos Corporation: C; Johnson & Johnson: L; Kowa: C,L; Novartis Pharmaceuticals Corporation: L; Otsuka: C,L,S; Pfizer, Inc.: C,L,S; pH Pharma Co.: C; Rohto Pharmaceutical Co.: C; Santen, Inc.: L,S; Seed: C; Senju: C,L,S

**Paul Yang MD PHD:** AGTC: C; Nanoscope Therapeutics: C

**Nicolas Yannuzzi, MD:** None;

**Steven Yeh MD:** Clearside: C; Santen, Inc.: C

**Michael T Yen MD:** None;

**Elizabeth Yeu MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,L; ArcScan: C; Bausch + Lomb: C; Bausch Lomb: C; Bio-Tissue, Inc.: C,L; Carl Zeiss Meditec: C,L; Glaukos Corporation: C,L; Innovation Labs: O; iOptics: C,S; Johnson & Johnson Vision: C,L; Kala: C,S; Katena Products, Inc: C; Modernizing Medicine: O; Novartis, Alcon Pharmaceuticals: C; Ocular Science: C,O; OcuSoft: C; Omeros: L; ScienceBased Health: C; Shire: C,L; Sight Sciences: C; Sun Ophthalmics: L; TearLab: C; TearScience: C; TissueTech, Inc.: C,L; Topcon Medical Systems Inc.: S

**Vivian T Yin, MD, MPH:** Seattle Genetics: C

**Glenn C Yiu, MD, PHD:** Alimera Sciences, Inc.: C; Allergan: C; Carl Zeiss Meditec: L; Clearside Biomedical: S; GENENTECH: C; IRIDEX: L,S; Verily: C

**Jithin Yohannan, MD:** None;

**Yoshihiro Yonekawa, MD:** Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan, Inc.: C; GENENTECH: C

**David K Yoo MD:** None;

**Michael K. Yoon MD:** Horizon Pharmaceuticals: C

**Young Hee Yoon, MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,L,S; Bayer Healthcare Pharmaceuticals: C,L,S; Novartis Pharma AG: S,C; Roche Diagnostics: C,S,L

**Terri L Young, MD, MBA:** Aerpio Pharmaceuticals: C

**Siamak Yousefi, PHD:** National Eye Institute: S

**Seung Young Yu, MD, PHD:** Allergan, Inc.: S; Bayer Healthcare Pharmaceuticals: S; Carl Zeiss Meditec: C,S; Heidelberg Engineering: C; Novartis Pharma AG: C

**Patrick Yu-Wai-Man, FRCOphth, MBBS, PHD:** GenSight Biologics: C,S

## Z

**David N Zacks MD PhD:** ONL Therapeutics: C,O,P

**Gerald W Zaidman MD FACS:** None;

**Roger Zaldivar, MD:** AcuFocus, Inc.: C; Johnson & Johnson: C; oculentis: C; PhysiOL sa: C; ZEISS: C

**Tatiana S Zanganeh, MD:** None;

**Marco A Zarbin MD PhD FACS:** Aerie Pharmaceuticals, Inc.: S; Cell Cure: C; Chengdu Kanghong Biotechnology: C; Coherus Biosciences: C; Daiichi Sankyo: C; Frequency Therapeutics: C,O; GENENTECH: C; Helios, KK: C; Hoffman La Roche, Ltd.: C; Iduna Therapeutics: C; IRIDEX: C,L; Isarna Therapeutics: C; Iveric bio: C,O; Makindus: C,O; Novartis, Alcon Pharmaceuticals: C,L; NVasc: O; Ophthotech Corporation: C; Perfuse Therapeutics: C; Rutgers University: P

**Michael E Zegans MD:** MedImmune: S; National Eye Institute: S

**Wadih M Zein MD:** None;

**Sandy X Zhang-Nunes MD:** Horizon Therapeutics: C

**Dagny C Zhu, MD:** Alcon Laboratories, Inc.: C; Bryn Mawr Communications: C

**Manfred Zierhut MD:** None;

**Martin Zinkernagel, MD:** Bayer Healthcare Pharmaceuticals: C,S; Novartis Pharma AG: C,O

**Sandrine Zweifel, MD:** Bayer Healthcare Pharmaceuticals: C,S; Novartis Pharma AG: C,S; Roche Diagnostics: C